

# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

FEBRUARY 21 1953

## Euthymol

TOOTH PASTE

leads the public  
to the chemist

Euthymol users buy their  
toothpaste from Chemists, not  
"convenience" stores. That is why  
it is in your interest to display  
and recommend Euthymol.



# 'DISTIVIT' B<sub>12</sub>

BRAND

solution of vitamin B<sub>12</sub>



Distributed by  
BURROUGHS WELLCOME & CO.  
EVANS MEDICAL SUPPLIES LTD.  
IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.

Manufactured by

**THE DISTILLERS COMPANY (BIOCHEMICALS) LIMITED**

Speke

Liverpool

\* 'DISTIVIT', a trademark, is the property of the manufacturers

'Distivit' B<sub>12</sub> is highly effective in the treatment of pernicious anaemia, including the neurological complications of the disease.

Megaloblastic bone marrow becomes normoblastic, there is a rapid increase in the red cell count and haemoglobin level, and clinical symptoms disappear.

'Distivit' B<sub>12</sub> is also useful in the treatment of other types of macrocytic anaemia.

There are no known contra-indications to its use and there is no evidence that it gives rise to undesirable side-effects.

'Distivit' B<sub>12</sub> is issued in three strengths in ampoules containing 20, 50, and 100 micrograms per ml. in boxes of 5 × 1 ml. ampoules.



# The **pro** toothbrush in a new **HARD** grade

Now you can offer your customers the wonderful Pro toothbrush in *three different models*. To the regular Pro ("medium" grade) and the special child's model has been added a new "hard" grade to suit those who prefer a firmer action.

Pro is supported by intensive advertising . . . with advertisements that will reach into more than half the homes in the country, eight times during the next six months!

**\* *pro* is recommended by more dentists than any other toothbrush.**

***pro* CLEANS better** — because it has over 1,200 thin, springy 'prolon' fibres that reach food particles lodged in the interstices of the teeth. These special fibres clean deeply in areas often missed by an ordinary brush and are placed in such a way that they come into *mass* contact with the tooth surface for better polishing action.

***pro* MASSAGES better** — thanks to the more pliant, *gentle* 'prolon' fibres. Its massaging action invigorates and strengthens gums without damaging tissues. Even the tender 'danger line', where gums and teeth join, can be cleaned without scratching — with Pro.

**\* Over 42,000 dentists in Britain and America have written in praise of Pro.**



## BONUS

Until 7th March 1953, all retail orders (whether through wholesalers or direct but subject to a minimum of 3 dozen) will be charged 12 as 10 provided at least 1 doz. of each of 'Medium', 'Hard', and 'Child's', is included. Over three dozen you can have the additional quantity in any assortment you like. All in display boxes.

On smaller orders for any kind, minimum 1 doz., the bonus is 12 charged 11.

*the toothbrush that cares for your mouth*

The Lambert Pharmacal Company, Victoria Road, South Ruislip, Middx.  
Distributed in U.K. by:  
Walter Crowe Limited, 3/4 Little Russell Street, London, W.C.1.  
Tel: Chancery 6101/3 & 7051/2 (five lines).



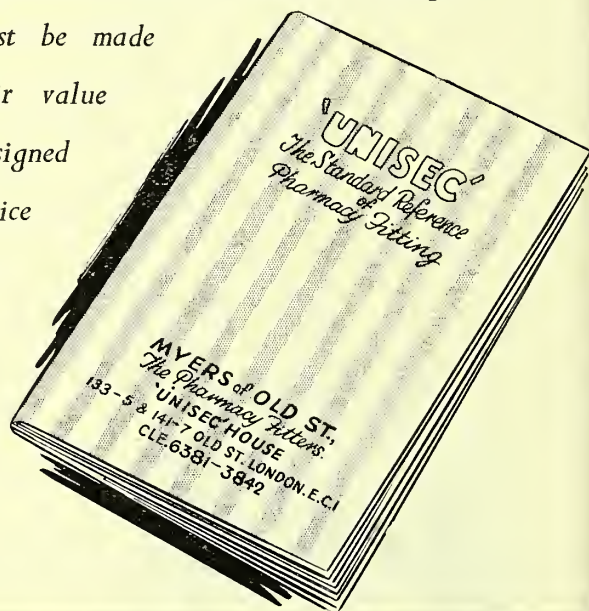
No matter the origin of the products you sell—whether from distant lands or near—prosaic or romantic—the final all-important factor is to sell them

. . . to get them across the last two feet of your counter to the customer.

A chance enquiry can often bring about a sale, but the successful pharmacy will rely on more than just chance to bridge those two feet. The consumer must be made familiar with those products — their value and use. Adequate display, well designed units incorporating both stock and service facilities, a well designed shop front —these are the means to the end.

“UNISEC” points the way.

A copy of the Standard Reference of Pharmacy Fittings will gladly be forwarded to you.



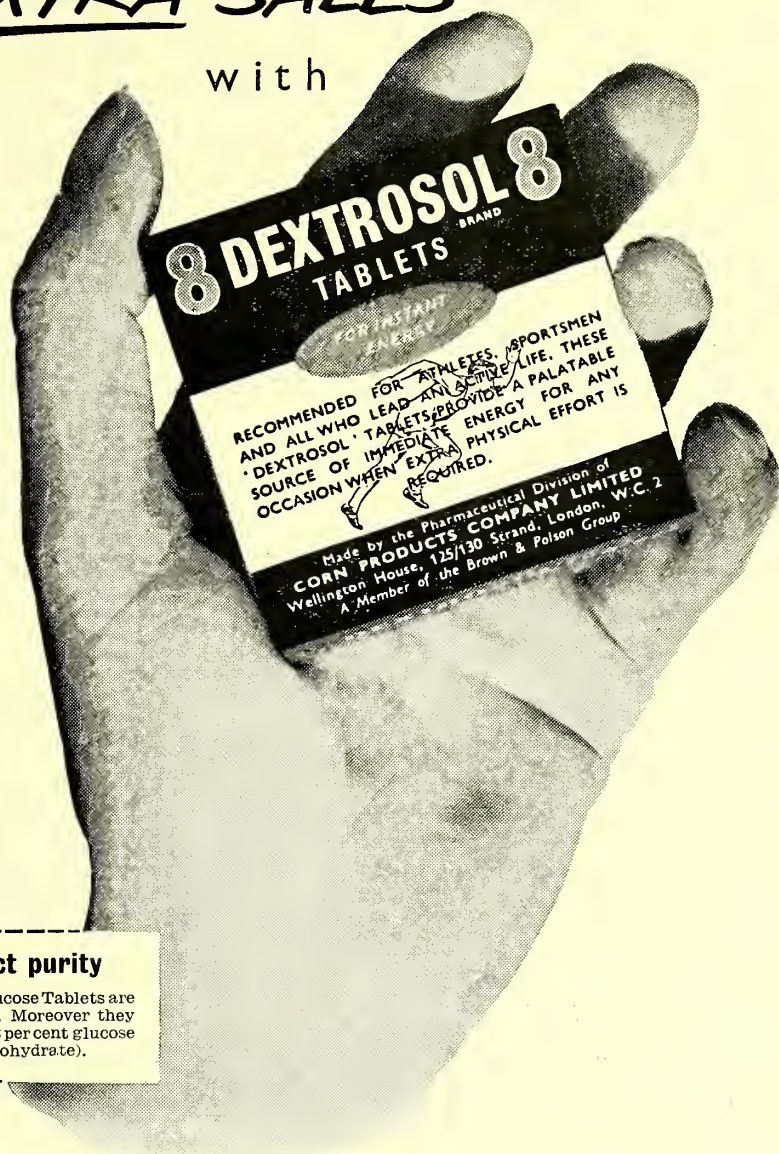
**'UNISEC'** by **MYERS OF OLD ST.**  
THE PHARMACY FITTERS

UNISEC HOUSE 133-5 & 141-7 OLD ST. LONDON E.C.1 CLE 6381-3842



# SECURE EXTRA SALES

with



## for instant energy

Delicately flavoured, 'Dextrosol' Glucose Tablets are a source of *immediate* energy—which gives them an *immediate* appeal to everyone!

## for perfect purity

'Dextrosol' Glucose Tablets are perfectly pure. Moreover they contain over 98 percent glucose (Dextrose Monohydrate).

## for speedy sales

In test areas 'Dextrosol' Glucose Tablets have *proved* themselves to be really quick-selling. No sooner seen than sold! And remember, 'Dextrosol' Tablets are an *entirely new line*.

**for extra profit**—On every 10½d packet of 'Dextrosol' Glucose Tablets you make at least

**33⅓%**  
**PROFIT**

ORDER 'DEXTROSOL' GLUCOSE TABLETS NOW through your usual channels

**DEXTROSOL** GLUCOSE PRODUCTS  
BRAND

MADE BY CORN PRODUCTS CO. LTD., THE PHARMACEUTICAL DIVISION OF BROWN & POLSON LTD. 125/130 STRAND, LONDON W.C.2

# NEWS for CHEMISTS

## A Stop-Press Issue of a New Chemists' Control Record

Hot from the presses comes a new Chemists' record to give you closer control over orders, customers and stocks.

It is a **visible** record. That is, a dozen or a thousand can be overlapped so that you can see any one **at once**.

This new record has been specially designed in conjunction with Chemists to cover your particular needs.

As you so well know, your business has a tremendous range of lines to stock—toilet articles, medicinal preparations, photographic materials—all covering a multitude of manufactures. And then the dispensary . . .

Such a business demands accuracy. The Chemist must be able to see what his stocks are at any particular time. He must know when to order, from whom, how many and how much it will cost.

And with such small margins of profit the Chemist cannot employ expensive clerical labour.

This new visible record has been devised to give complete visual control over stocks. It gives the name of the manufacturer, his address and telephone number, the brand, commodity, cost price, tax, retail price, stock and order. Reference to these records is simplicity itself since they can be housed in a neat, compact and inexpensive book or panel.

If you feel you would like to know more about this system just jot "Shannovue for Chemists" on your letterheading and fuller details will be sent—without obligation of course.

**Shannon Systems**  
FIRST IN FILING

The Shannon Ltd

128 Shannon Corner • New Malden • Surrey

## DISPLAYS ARE BRINGING GOOD SALES



★Are you taking advantage of the weather—and the Bonus Terms for **ESōBACTULIN**?

Display Now!

6 Capsules taken over 5 days give most people 3 months' immunity from COLDS.



RETAIL 8/3  
(inc. tax)

33 1/3% DISCOUNT

★ PLUS BONUS  
13 to the dozen

NOW BEING  
ADVERTISED

SUPPLIED THROUGH YOUR WHOLESALE



SOUTHON LABORATORIES LTD., 88 Upper Richmond Road, London, S.W.15

## THREADWORM..... TREATMENT

Flowerdells Threadworm Treatment, in tablet form, is a gradual process which eliminates the parasites and destroys their ova without causing any unpleasant effects.

As the successful treatment of this infection must necessarily take time, it is essential that the tablets be taken over a considerable period. REPEAT BUSINESS IS ASSURED, therefore.

*It is the ideal Treatment for counter prescribing.*

**RETAIL PRICES**  
(INCLUDING P.T.)

**2/6 • 12/6**  
(45 Tablets) (300 Tablets)

Trade discount shows 50% on cost

**Flowerdells**  
LTD

177 Vauxhall Bridge Road, Westminster, S.W.1  
Tate Gallery 0181



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## WILLIAM GOODE *frameless glass* SHOWCASES ensure **GOOD VISIBILITY**

*from all angles,*

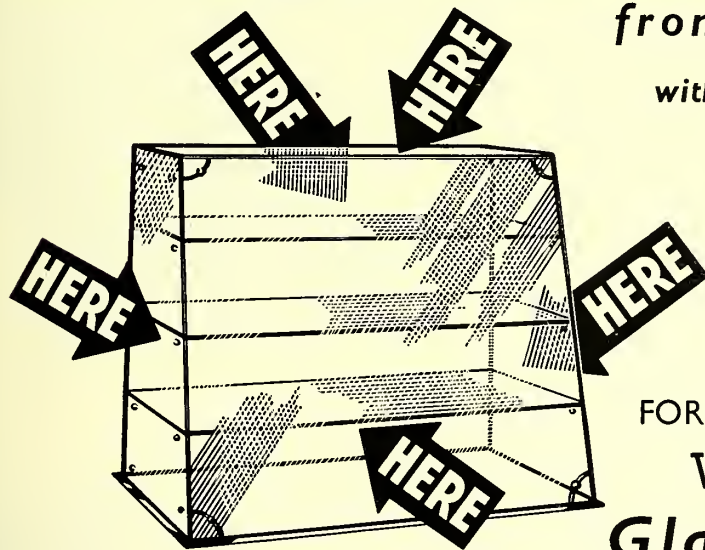
with **INCREASED  
TURNOVER**  
*by better display  
and stock protection*

*May we send you full particulars  
of our stock sizes and prices?*

FOR SATISFACTION *always insist on*

**WILLIAM GOODE**  
**Glass Showcases**

MANUFACTURED FOR THE WELL-EQUIPPED PHARMACY BY  
**WILLIAM GOODE (Glass Display) LIMITED**  
19 CLIFTON ROAD · RUGBY · WARWICKSHIRE



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ROSS  
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SILBER  
TAYLOR-HOBSON  
VANGUARD

## 'MINIDEX' LOOSE LEAF NEGATIVE LIBRARIES

### LOOSE LEAF UNIT

#### STYLE

#### MODEL IV STORAGE UNIT

Holds 8 negatives 2½ in. x 3½ in.

Doz. 7s.

#### MODEL V STORAGE UNIT

Holds 12 negatives 2½ in. x 2½ in.

Doz. 8s.

**LOOSE LEAF BINDER** with index card and one unit (either size)

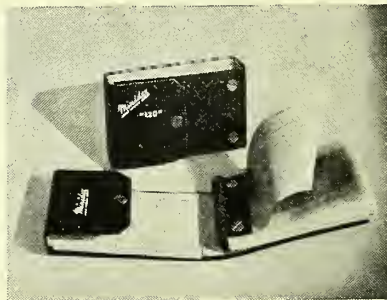
4s. 6d.

### ALBUM STYLE

**LOOSE LEAF ALBUM** Complete with 120 envelopes and Index.

Two sizes: 2½ in. x 3½ in. 9s. 6d.

2½ in. x 2½ in. 8s. 6d.



# JONATHAN FALLOWFIELD LTD.

74 NEWMAN ST. LONDON W.1. MUSEUM 7401-2-3



# PROFIT

*by these quick-selling  
proprieties*

**ORDER A COMBINED PARCEL ASSORTED TO MEET  
YOUR OWN REQUIREMENTS**



These quick-selling, heavily advertised proprieties can be ordered in a profitable Combined Parcel—assorted to suit your own requirements. Buy now on BEST TERMS! Please send all enquiries to:

## **BEECHAM (NORTHERN) LIMITED, ST. HELENS, LANCASHIRE**

BEECHAM (NORTHERN) LIMITED are the sole selling agents in the United Kingdom for Beecham's Pills Ltd., Veno Drug Co. Ltd., Phensic Ltd., Natural Chemicals Ltd., Phosferine (Ashton & Parson) Ltd.

## **LINK UP DISPLAYS WITH OUR ALL-STAR RADIO ADVERTISING FROM LUXEMBOURG (208 metres)**

### **"SHOWTIME"**

*Mondays 8 p.m.*

One hour Variety Show recorded at the London Palladium. Top-of-the-bill names each week with the Palladium's own Skyrockets orchestra.

### **"WHAT'S MY LINE?"**

*Wednesday 8 p.m.*

Adapted from the popular Television programme, with Bernard Braden, Elizabeth Allan, Jerry Desmond, Richard Attenborough and Margot Holden.



# PILLS and TABLETS

*that challenge comparison*

With mass production methods, analytically controlled, the COX ORGANISATION is in a position to supply PILLS & TABLETS of unequalled quality at competitive prices

BULK  
PACKED  
COATED  
UNCOATED

ARTHUR H.  
**Cox** *of* BRIGHTON  
& CO. LTD.

STANDARD  
OR  
SPECIAL  
FORMULAE



## Popular choice for vitamin supplementation

Even in a community in which diet is adequate there are times when supplementation is desirable. At such times Multivite's convenient presentation of vitamins A, B<sub>1</sub>, C & D<sub>2</sub> in high concentration and its pleasant flavour make a strong appeal.

## MULTIVITE

TRADE MARK

PRICE:

PHARMACISTS RETAIL

Bottle of 50 pellets

2/4

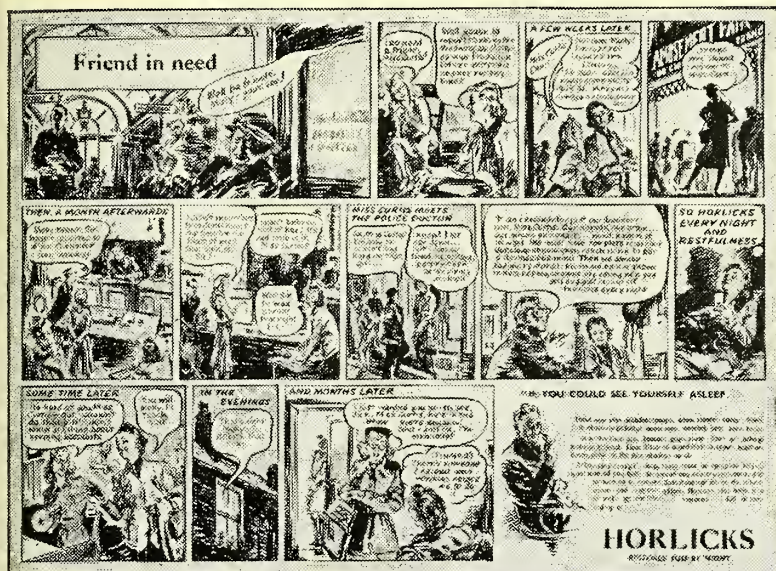
3/6

MLT/T/4

THE BRITISH DRUG HOUSES LTD. LONDON N.1



# Everyone in Britain responds to this Advertising



## THE DAILY EXPRESS . . .

Selling 4,108,855 copies a day, the Daily Express is the best selling medium in Britain. Horlicks have not just one, but seven half-pages in the Express from September 1952 to March 1953, plus other large spaces. This pattern is followed in almost every national newspaper and magazine.

## THE DAILY EXPRESS AGAIN! . . .

Horlicks are also using the Daily Express to publicize an article by Professor Mottram—one of the leading dieticians in Britain: his full scientific statement supports and confirms the advantage of taking Horlicks.

*Heavier than ever  
this year!*

**H**ORLICKS is a household name because Horlicks advertising is seen, and read, regularly by so many millions of people.

The Daily Express, with its huge circulation of 4,108,855, has a still larger estimated readership of at least 8,000,000 people, making it Britain's best selling medium. This is why Horlicks uses the Daily Express—to sell to this vast audience.

*This winter, Horlicks advertising pressure is greater than it has ever been*

The famous Horlicks strip-cartoon stories, now appearing in the Daily Express and other national newspapers, have consistently achieved, and continue to achieve, the highest readership of *any* advertisements in the press.

To make the most of this tremendous promotional campaign, please see that Horlicks is well displayed. Some unusually vivid display material is being prepared—with a sharp eye on your requirements and the space you can spare. Ask Horlicks' representatives to tell you about it!

**HORLICKS**  
display material  
will suit  
your needs



**Beat Time.**

**FLIT**  
REGD. TRADE MARK  
**GIANT  
BONUS  
OFFER!**

**FLIT  
SELLS FASTER  
MILLIONS  
DEMAND IT!**

**FLIT  
OUT-ADVERTISES  
ALL OTHER  
BRANDS OF  
INSECTICIDE**

**FLIT AEROSOLS  
NEW  
SPECIAL  
BONUS**

★ World's  
**FLIT** ★ No. 1 Insecticide  
★ Contains D.D.T.

*Order your **FLIT** bonus parcel today..You stock*

STEMCO LIMITED, 128/132 ALBERT STREET, CAMDEN TOWN, N



# Order FLIT Now!

REGD. TRADE MARK

**GET**  
**58%**  
**PROFIT**  
on every £10 order

COSTS £9

**GET**  
**53%**  
**PROFIT**  
on every £8 order

COSTS £7·8·0

**GET**  
**50%**  
**PROFIT**  
on every £5 order

COSTS £4·15·0

**STOP** ★ Now! special  
**PRESS** ★ 1st time Bonus on  
★ Flit Aerosols

## Choose from these big offers!

On combined orders for Flit Liquid,  
Flit Powder, and Flit Hand Sprayers  
only, you get these special discounts

10% on all orders to list value of £10 and over  
7½% " " " £8 "  
5% " " " £5 "

## New . . . special Aerosol bonus!

For the first time on Flit Aerosols only, YOU GET—

5% special discount on ( 4 doz. 6 oz.  
or 3 doz. 6 oz. and ½ doz. 12 oz.  
or 2 doz. 6 oz. and 1 doz. 12 oz.

2½% special discount on ( 2 doz. 6 oz.  
or 1 doz. 6 oz. and ½ doz. 12 oz.

**Flit Aerosols are packed full**  
—containing an average net of 6 oz. and 12 oz.

## Flit List Prices

SIZE	PACKED IN OUTERS CONTAINING	RETAIL PRICE	LIST PRICE
8-oz.	2 doz.	1/9 ea.	15/- doz.
16-oz.	1 "	3/- "	25/- "
32-oz.	1 "	5/3 "	44/- "
160-oz.	singly	20/- "	168/- "
160-oz. Livestock Spray	singly	12/6 "	105/- "
Flit Hand Sprayers	1 doz.	3/9 "	32/- "
2-oz. Cartons Flit Powder	2 "	1/- "	8/- "
6-oz. Flit Aerosol	1 "	7/6 "	65/10 "
12-oz. Flit Aerosol	½ "	12/6 "	110/- "



To qualify for bonus  
terms place orders  
either direct or  
through your  
wholesaler in time  
for delivery by  
April 30th, 1953.

(Bonus Orders on Aerosols  
must be kept separate)

**We sell it for you !!!**

FLIT IS AN  PRODUCT





How often during the war and post-war years have you been compelled to keep your limited supply of RED HEART "under the counter" to meet the needs of customers who regularly purchased RED HEART before the days of shortages. *Now all that is changed and Red Heart is plentiful again.* Be ready to meet the renewed demand—order your supplies to-day.

## RED HEART DOG FOOD

*the brand your customers have been asking for!*

A PRODUCT OF JOHN MORRELL & CO. LTD., LIVERPOOL & LONDON

CVS-12

**For hair that is drab,  
faded or just showing  
the first grey touches**

# INECTO

FOUR-IN-ONE SERIES

★ 11 lovely NEW shades:

- |                      |                  |
|----------------------|------------------|
| 14 Blue Black        | 19 Bright Auburn |
| 15 Dark Brown        | 20 Golden Brown  |
| 16 Medium Warm Brown | 21 Light Bronze  |
| 17 Light Chestnut    | 22 Honey Blonde  |
| 18 Ash Brown         | 23 Smoke Blonde  |
| 24 Haze Blue         |                  |

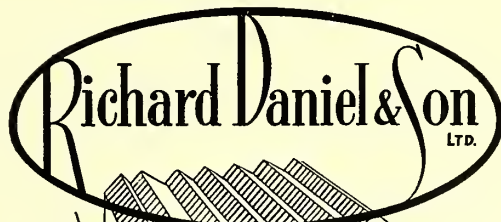
IN ATTRACTIVE HOME PACK

Price 5/- Wholesale (inc. 2s. 6d. P.T.), 6/- Retail

RAPIDOL LTD., 27 DOVER STREET, LONDON, W.1

Regent 7541 (12 lines)



**FOR CHEMISTS****DRUGS****SUNDRIES***Manufacturing Chemists***PILLS • TABLETS  
PROPRIETARIES**

HEAD OFFICE &amp; WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)

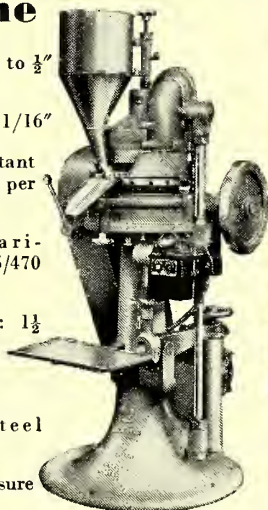
BRANCH WAREHOUSE: GRDSVENOR ST., ASHTDN under LYNE. Tel: 2816 (3 lines)

## ***A Letter from the Antipodes—***

**MANESTY**

### **B3 Rotary Tablet Machine**

- For tablets up to  $\frac{1}{2}$ " diameter.
- Filling depth 11/16"
- Output: Constant speed — 400 per minute.
- Output: Variable speed — 235/470 per minute.
- Horse Power:  $1\frac{1}{2}$
- Floor Space: 28" x 45½"
- Stainless Steel Hopper.
- Overload Pressure Release.



Sydney,  
Sept. 19, 1952

a few weeks ago we installed the Manesty B3 Variable Speed Rotary. I thought perhaps that you and Manesty Machines might like to know that both Mr. . . . and I, after trying the machine with tablets normally extremely difficult to run, are of the opinion that this model B3, with variable speed expanding pulley, is the most versatile machine we have ever encountered in tablet-making. Its complete range of speeds enables the most difficult tablet to run successfully and the machine is, in every way, delightful to use.

C. . . . M. . . . Pty., Limited

Have you this book?  
"Tablet Making"—An authoritative volume by A. Little and K. A. Mitchell. 123 pp. 47 illustrations. 31 formulae. Cloth bound 15/- net. Post free

**MANESTY MACHINES LTD.**DEPT. 5 SPEKE  
Telephone: Hunts Cross 1972LIVERPOOL 19  
Telegrams: Manesty, Liverpool 19

## IMPROVEMENT OF BLOOD SUPPLY

is the basis of treatment in

MUSCULAR RHEUMATISM, FIBROSITIS

LUMBAGO, CHILBLAINS

## TRAFURIL CREAM

produces RAPID AND PROLONGED  
INCREASE IN LOCAL BLOOD SUPPLY

The soothing warmth reduces pain and promotes healing

*Non-irritant · Non-greasy · Odourless · Economical*

Tube of 20 g. (3/-) Jar of 1 lb. (39/-) · Retail Discount 33½% · Exempt from Purchase Tax

**CIBA***'Trafuril' is a registered trade mark denoting the tetrahydrofurfuryl ester of nicotinic acid : Reg. user***CIBA LABORATORIES LTD · HORSHAM · SUSSEX**

Telephone : Horsham 1234

Telegrams : Cibalabs, Horsham

3/2

# Mary has a little beef — and her beef comes from the **CHEMIST!**



Mary—this typical, bonny, modern baby—is featured in the current Heinz Strained Foods advertising. She helps to sell strained foods to your customers.

And her bonniness certainly does credit to the modern idea of starting babies on a mixed diet at an early age.

Doctors and Health Visitors recommend this early feeding of strained meats, vegetables and fruits, and mothers are following their advice.

*That's why so many mothers of our modern young babies are becoming better and better customers for Heinz Strained Foods.*

Variety is the order of the day—so stock and show all seventeen varieties of Heinz Strained Foods and see your sales go up.

**57 HEINZ**  
**STRAINED FOODS**







THE

SPASM

CAN BE

CONTROLLED

Prompt measures to counter the distress of persistent coughing are well-merited.

Taoryl—a recently introduced, powerful antispasmodic in tablet form—combines peripheral sedation with a selective inhibitory action on the cough centre. Safe to use for long periods without addiction, it provides highly effective therapy in all cases of irritant and spasmodic cough. It is comparatively non-toxic, free from side effects in normal dosage, and readily administered to children.

*Literature on request.*

*Bottles of 20 and 200 tablets.*

Prescribable on N.H.S. Form E.C.10



*A Geigy medical announcement.*

# TAORYL

TRADE MARK

Bis [1-(carbo- $\beta$ -diethylaminoethoxy)-1-phenyl-cyclopentane]-ethane disulphonate.

**PHARMACEUTICAL LABORATORIES GEIGY LTD.**  
Rhodes, Middleton, MANCHESTER

PH.44a

# FREE CABINET

FOR YOUR DISPENSING WRAPPING  
PAPER



Strongly constructed of wood, the cabinet is approximately 10½" high ; 13" wide ; and 13" long. It can be kept on a table or shelf as shown.

Here is something entirely

## NEW

—and it is

## FREE OF COST

It keeps your paper

- \* COMPACT
- \* CONVENIENT
- \* CLEAN

The economical, systematic  
way to hold your cut sizes

AS YOU WANT IT, WHERE YOU WANT IT. This new Certor Wrapping Paper Cabinet, containing a carton of each size of Certor Dispensing Parchment, fulfils two very useful functions: it ensures that the paper is just *as you want it* (clean and free from creasing) and *where you want it* (just at hand ready for wrapping the next bottle).

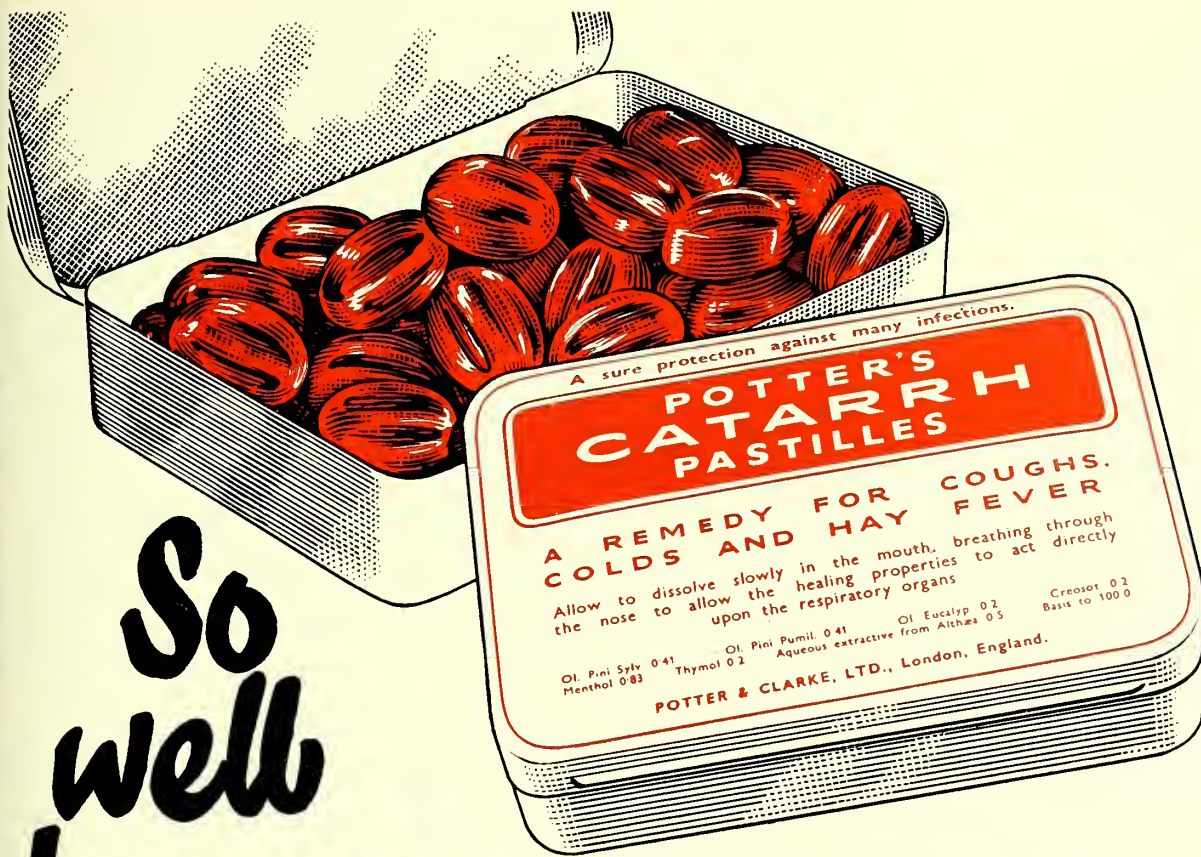
SAVING WASTE, SAVING TIME. With the cartons to keep the paper in the best condition, and the cabinet to keep the cartons compact and convenient, you are both saving waste and saving time.

NO FUMBLING, NO CRUSHING. The cabinet is so arranged that each size of paper is immediately accessible. There is no fumbling for the correct size. There is no crushing of the sheets. By means of the thumb-hole at the front of each carton you can pull out easily and quickly the right size of sheet for every bottle you are wrapping.

### CABINET FREE WITH THIS ORDER

The cabinet is supplied free with orders for Certor Dispensing Parchment to the value of £9. The order can be taken in one lot, or, if preferred, one half can be sent with the cabinet, and the other half sent three months later. The paper and cabinet, like all our goods, carriage paid in free packages. Prices of the paper given on application.





So  
well  
known

In the Cough/Cold Pastille field, Potter's Catarrh Pastilles are now easily the biggest national advertisers. No wonder Sales have gone up and up! No wonder our retailer-friends think it well worthwhile giving a showing to this very popular and profitable line!

Orders through **WHOLESALEERS ONLY**, please



and so — well  
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This striking coloured display box holds 1 doz. tins of Potter's Catarrh Pastilles, retailing at 1/9. Trade price 11/- a doz. (plus Purchase Tax, 3/8 a doz.).

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Limited

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**Potter's** **CATARRH**  
**PASTILLES**





# MOTORISTS! *Turn dusk into Day*

**see this....**

Dusk . . . the danger period on the roads . . . shadows combine with dazzle — creating strain and hazard for the Motorist ...



**LIKE THIS!**

A remarkable difference!... The entire scene now brighter ... every object is clearly defined ... distant detail visible even in mist or badly lit areas...  
DAZZLE EFFECTIVELY REDUCED !



**WITH....**

**“ROADMASTER”**  
**NIGHTDRIVING GLASSES**

*An ALL - BRITISH Product !*





# A New & Profitable Line!

## "ROADMASTER"

ALL  
BRITISH

NIGHTDRIVING GLASSES

Every motorist needs  
"ROADMASTER"

Motorists experience strain and tension when driving at dusk, in mist and light fog. At such times, the risk of accident is great, particularly arising from headlight dazzle!

Optical science has produced a simple, highly effective answer.

Research reveals that lenses made from a special tint of Sodium-Vapour Glass, provide a most remarkable effect of brightening the entire visual scene and increasing sharpness of distant detail. At the same time, glare is effectively reduced! This discovery has great significance for the motorist!

The result is... "ROADMASTER" NIGHT DRIVING GLASSES which incorporate genuine sodium-vapour glass lenses in exactly the right tint!



Prices include  
individually packed  
in distinctive carton

*The new accessory that  
every Motorist wants!*

Illustrated above "ROADMASTER-SUPER"  
(See below other "Roadmaster" Models).

PRICE TO PUBLIC: 17/6 each

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**FREE!** Sales compelling Showcards and leaflets  
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Order through your Wholesaler—or direct from the Manufacturers

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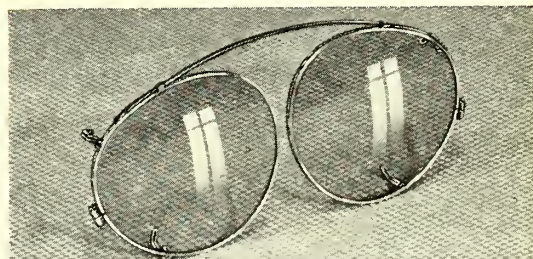
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Wearers)

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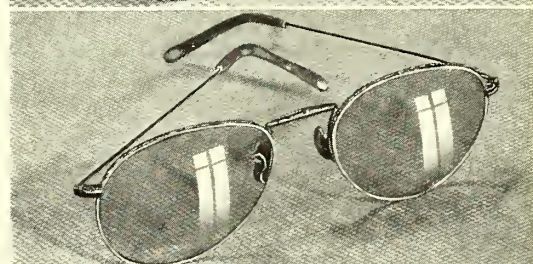
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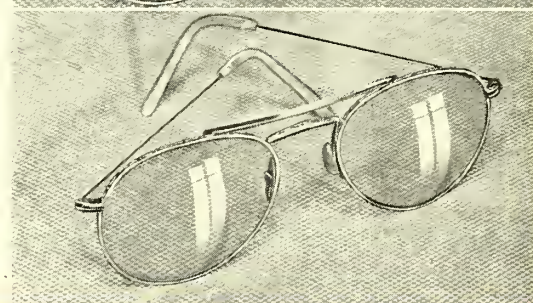
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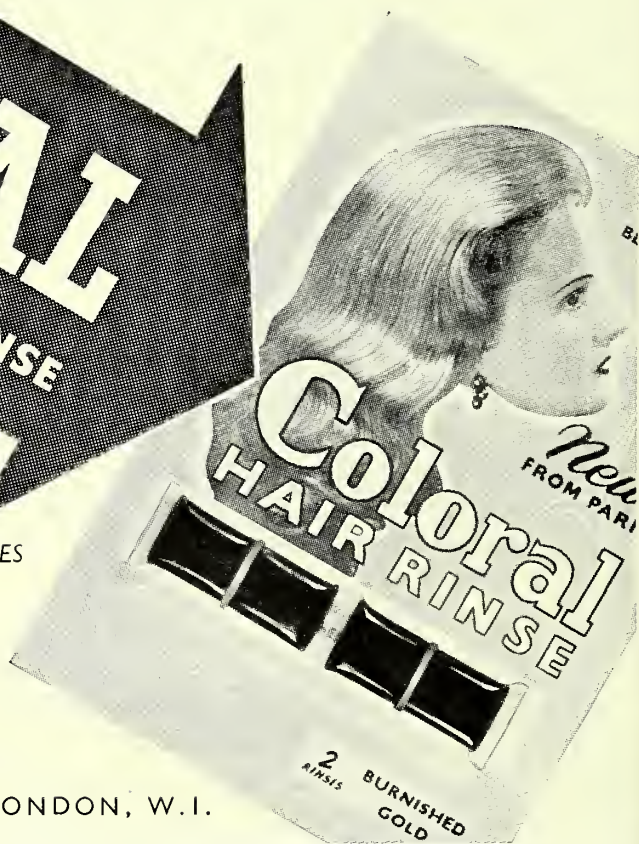
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TRADE PRICE 6/- per dozen cards (plus 100% tax) in boxes of two dozen cards of any one shade, or in a fixed assortment of two dozen.

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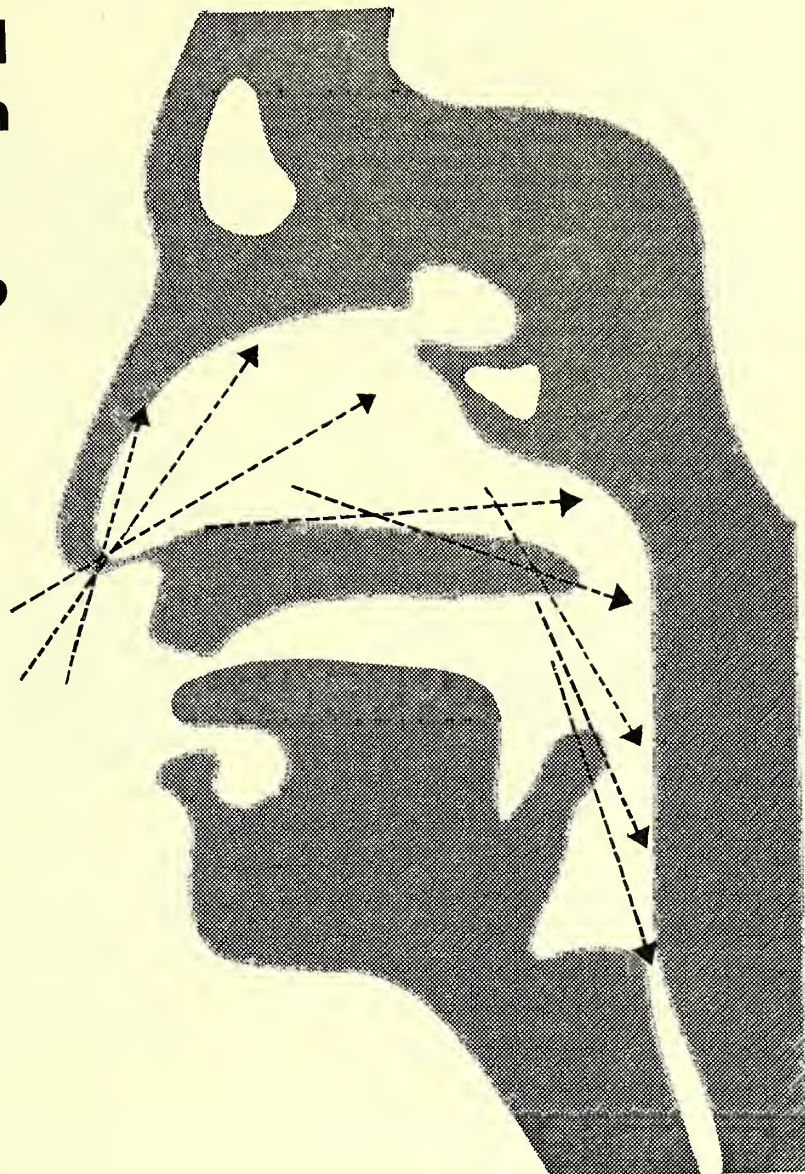




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'PENDEX' presents in a stable  
aqueous solution

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vasoconstriction of 'Paredrinex',  
which shrinks the oedematous  
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is indicated in the intranasal treatment of  
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**and nasopharyngitis**

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# Triple Action for HEAD DISINFESTATION

Kills **HEAD LICE** Removes **NITS**  
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Contains Dicophanum,  
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Sulphonated Alcohol.

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### Medicated Shampoo

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Manufactured by

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**SUN-GOLD (No. 37) CRIMSON (No. 38)**

This year's Coronation celebrations call for bright royal colours. Tintex have risen to the occasion with **SUN-GOLD**, a really royal gold (between No. 7 Bright Yellow and No. 23 Old Gold), and **CRIMSON**, a rich, regal, glowing red.

Include these numbers in your next order for early delivery. **Stocked by all wholesalers.**

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This is a lovely rich colour, really pleasing. Dyes all fabrics. There is a great demand for this new shade.

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IN PERFORATED ROLLS  
FOR THE MODERN HOUSEWIFE

**THEY SAVE WORK  
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ARE STRONGER  
WHEN WET.**

They serve a multitude of purposes. Of a soft, pleasing, crepe texture "KWICKDRY" TOWELS are very absorbent, can be squeezed like a cloth yet do not disintegrate.

**FOR DRYING HANDS  
DRAINING FRIED FOOD  
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This NEW habit is catching on! Are you cashing in?

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P.T. 100%

**NYCOL**

1/3 Tube  
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You can  
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**"RELIANCE"**  
**SPONGES**



Only the best of Natural Sea Sponges are good enough to carry the name "RELIANCE." Our widespread organisations are the largest bulk buyers of sponges. Our ware-

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(World Natural Sponge Suppliers Ltd.)

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SELLS AT 1/-  
FOR THE ROLL  
AND 9d. FOR  
THE FLAT  
PACK.

Manufactured by

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the **CASH REGISTER**

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H.P. Terms arranged

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THE ANTISEPTIC SELF-ADHESIVE BANDAGE

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itself—but  
not to  
the skin

Packed in forceful cartons and easy-selling display outers. Backed by extensive advertising. Free samples available for counter distribution.

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and cash in on this  
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for

## JAFFAJUCE

## Presta

## FOUR SEASONS

## SQUASHES !



1/- A DOZEN OFF NORMAL PRICES for limited period only



Stock up now with your spring supplies of Jaffajuce, Presta and Four Seasons Squashes. For every dozen bottles ordered, you get an extra shilling discount—an extra shilling for YOUR pocket. Rapid sales of these ever-popular products are your guarantee of mounting profits, so don't delay—order today.

Offer expires March 14th.

Send us your orders now, stating wholesale chemist to supply.

**EVERY TWELFTH BOTTLE OF "PRESTA" TANGERINE SQUASH IS FREE !**

*Take advantage of the Special Introductory Display Bonus Offer for this intriguing new squash and get—*

**12 BOTTLES FOR THE PRICE OF 11 !**

The Offer is open to all retailers who order before March 14th.

Order YOUR supplies TO-DAY !

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# NYLONS LAST LONGER!

**Guard against ladders with the  
5 Minute Magic Rinse**

Dip for 5 minutes,  
squeeze, and they're  
safe for 6 weeks

**"NYLO"**

- ★ will give your nylons longer life
- ★ will resist ladders
- ★ will add strength to your stockings
- ★ **WON'T WASH OUT!**
- ★ Full contents of bottle **MUST** be used as directed

**NYLO** TRADE MARK **The Magic Rinse**



**TERMS: 15/9 per dozen net.**

**Orders 3 dozen and over, carriage paid.**

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**ANNOUNCING**  
**Effective khellin therapy**  
**without nausea**

## **KHELLANALS** **suppositories 'Pabyrn'**

A non-toxic form of pure khellin in specially formulated suppositories for chronic bronchitis, bronchial asthma, angina pectoris, renal colic. (Literature on request).

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**Khellanals 50 mg.** 6-8/-; 12-15/-;  
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*Exempt from purchase tax—Full trade discounts*

*Khellanals are available from all C.F. wholesalers, or direct*

**PAINES & BYRNE LTD.**  
**Pabyrn Laboratories, Greenford**

Telephones: PERIVALE 1143 (5 lines)  
Telegrams: 'GLANDS, GREENFORD'

*Khellanals is the registered trade mark of Paines & Byrne Ltd. applied to specially formulated suppositories of pure khellin.*

*Messrs. James L. Hatrick & Co. (London) Ltd., the old-established Surgical Instrument Manufacturers, are extending their activities to Pharmaceuticals. Two lines which have been particularly well received this winter are:—*

## **CODINYL** **AND** **LINCTUS VIRIDI**

*The former is a compound of Codein and Ephedrine together with Syr. Pruni Serot. and is proving very successful in chronic chest troubles of an Asthmatic nature.*

*Linctus Viridi, as its name implies, is of a green colour and therapeutically it is a modification of Gees with the added benefit of Capsicum, etc.*

*Its advantages in old-standing coughs, particularly those due to nicotinism, are outstanding.*





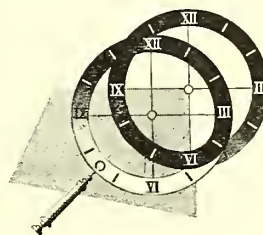
## LIFE and the diabetic.....

Save for a few simple routine measures, the diabetic's daily life need differ little from that of any other person. Indeed, in many cases a single daily dose of Globin Insulin suffices to control blood sugar satisfactorily from one morning to the next. The action of this intermediate insulin is prompt and strong by day, reaching its peak when most required; but diminishes by night, thus obviating bedtime meals. Nocturnal insulin reactions are rare.

*'Wellcome' Globin Insulin*

BRAND

(WITH ZINC)



**BURROUGHS WELLCOME & CO.** (The Wellcome Foundation Ltd.) **LONDON**



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**MORE & MORE  
 WOMEN**  
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For your customers  
 who prefer a cream  
 you can recommend  
 with every confidence  
 Eugene Pearl Shampoo,  
 retailing at 2/6 per tube.

ATTRACTIVE  
 PINK-AND-BLUE  
 COUNTER DISPLAY CARTON  
 HOLDS 48 SATCHETS

SELLING AT **5<sup>d</sup>** EACH

**Eugène** BEAUTY  
 POWDER SHAMPOO  
*Sells on Sight*

#### IN THIS ATTRACTIVE DISPLAY CARTON

Every woman who's bought or been asked to try  
 Eugene's BEAUTY SHAMPOO says it's the best  
 she's used, and she'll use it again and again!  
 That's because it is Eugene!

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**Parcel No. 1 :** You pay 42/-  
 Your profit 30/6 or 72% on outlay.

**Parcel No. 2 :** You pay 28/11  
 Your profit 19/7 or 67% on outlay.

Write for full details to the Sole Distributors.

**STOCK UP NOW** to meet the demand for the

Perfect Shampoo created by the famous House of

**Eugène**

Sole Distributors for Great Britain (Exc. N. Ireland) DON S. MOMAND LTD. 58, Albany Street, LONDON, N.W.1



**STOCK—RECOMMEND—DISPLAY**

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## COAL TAR INHALER AND VAPORIZER



Complete with full size bottle  
of Vaporizing Liquid  
Retail 6/8

Vaporizing Liquid Refills  
Retail 1/9 & 5/4

Spare absorbent blocks  
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*for quick relief from*

**COLDS · INFLUENZA · BRONCHITIS**

**WHOOPIING COUGH · CATARRH, ETC.**

Wright's Coal Tar Inhaler and Vaporizer  
— eminently suitable for the relief of colds,  
catarrh and like congestive conditions —  
should be well and prominently displayed.  
It offers good sales on good terms.

**WRIGHT LAYMAN & UMNEY LTD.,**  
**SOUTHWARK, LONDON, S.E.1**



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and  
all sections of the drug, pharmaceutical and  
fine chemical, cosmetic, and allied industries.

*Official organ of the Pharmaceutical Society of Ireland  
and the Pharmaceutical Society of Northern Ireland*

Volume 159

February 21, 1953

No. 3809

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Telegrams: Chemicus, Estrand, London

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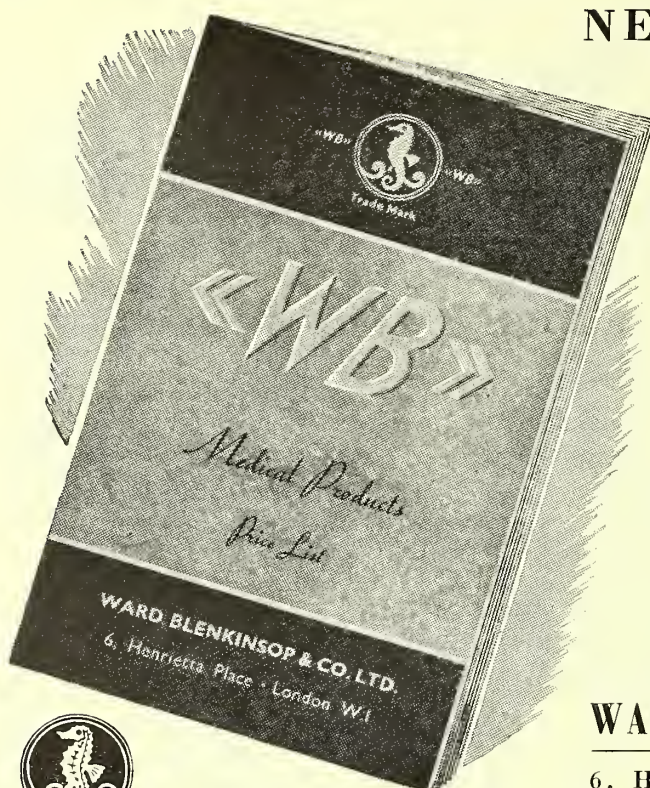
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Showing indications such as—

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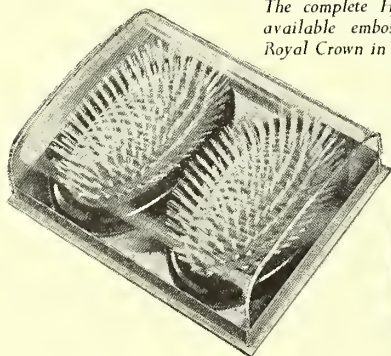
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### The lasting Coronation Gift

All your customers will be thrilled by these Hygex Coronation Gifts with a personal appeal. There is a wide price range with a choice for father, mother, brother, sister and for friends too! See the full range yourself by asking our representative to call, or we can arrange to send a sample range through your usual wholesaler if you will send us his name and address.

*The complete Hygex range is available embossed with the Royal Crown in Gold or Silver.*



It is estimated that £18 million will be spent on Coronation Souvenirs. Here is a grand opportunity to increase YOUR sales.

# Hygex

HENDERSON BROS. &amp; CO. LTD.

HYGEX WORKS • PALLION ESTATE

SUNDERLAND



# The CHEMIST AND DRUGGIST

Volume 159

FEBRUARY 21, 1953

No. 3809

## Sympathy for Flood Victims

### OVERSEAS PHARMACISTS' MESSAGES

PROFESSOR René Fabre (dean of the faculty of pharmacy, University of Paris), has sent a message of sympathy in connection with the recent floods in Britain to Mr. Hugh N. Linstead, M.P., in his capacity as a secretary of the Pharmaceutical Society.

Translated from the French, the message reads: "The Council of the Faculty of Pharmacy and the Academy of Pharmacy, profoundly moved at the sad events which are causing so much grief and misery in your country, charge me with being their mouthpiece to express the condolences of us all and to assure you of the sincerity of our feeling for you in the great misfortune which strikes Great Britain. Please accept, dear colleague, the expression of our very profound sympathy."

The Pharmaceutical Society has also received messages of sympathy from the presidents of the International Pharmaceutical Federation, the *Federazione Ordini Farmacisti Italiani* with a gift of 100,000 lire; and the *Association Pharmaceutique Belge* with an offer of financial assistance for urgent needs.

### Flood Relief Fund

At noon on February 17, £8,300 had been received by the registrar of the Pharmaceutical Society for the Pharmaceutical Flood Relief Fund (*C. & D.*, February 7, p. 122). There had been no requests for help, although members had written to the Society informing it of damage and loss incurred through the floods. On receiving information from an inspector of the Society a grant to cover immediate needs had been made to the wife of a member.

### AUSTRALIA'S IMPORTS Restrictions to be Eased

THE Australian Government has announced that the import restrictions now in force are to be somewhat relaxed during the coming financial year. Together with earlier easings, a total increase of 25 per cent. in the rate of flow of imports is expected. Relaxations are to extend to most types of imports (dollar and Japanese goods excluded) but the Prime Minister (Mr. Menzies) has stated "... we have been concerned to see that we give greater access to raw materials and equipment which our manufacturers need." Stocks of imported goods had fallen and the higher rate of imports should prevent inflation.

### 100 YEARS' PHOTOGRAPHY

#### Centenary Address

MR. I. D. WRATTEN (president, Royal Photographic Society) gave an address on "A Century of Photography" at a meeting of the Royal Society of Arts held in London on February 4. He reviewed early photographic processes with the help of a colour film which also dealt with modern film making and photo-finishing. The speaker stressed the importance of photography in modern life. He mentioned such applications as radiography, infra-red photography, study of crystal structure and micro-photography.

### KEY INDUSTRY DUTY

#### Exemptions and Deletions

THE Treasury have made an Order (published as Statutory Instruments 1953, No. 188), continuing from February 19 until August 18 the exemption from Key Industry Duty of all the articles exempted from that duty by previous Orders which expired on February 18, with the ADDITION of:—

D and L- $\alpha$ -Aminopropionic acids  
Aminosulphonic acid  
DL-Malic acid  
Quinoline (not including isoquinoline)

and with the DELETION of

Compounds of rare earth metals, the following:—  
Cerium chloride, crude  
Cerium sodium sulphate, crude  
2-monoAminoethyl alcohol  
Barium hydroxide  
n and iso-Butyl alcohol  
monoChloroacetic acid  
Cyclohexanone  
Di-n-butyl diethylmalonate  
Dicyclohexyl orthophthalate  
Diethylene glycol monobutyl ether  
Diethyl malonate  
Di-(2, 3 or 4-methylcyclohexyl) orthophthalates  
Ethylene oxide  
n-Heptioic acid  
3-Hydroxyacetophenone  
Lithium carbonate, chloride, hydroxide  
Maleic anhydride  
R. Mannitol  
Melamine  
Pentan-2-ol  
Phenothiazine  
Phenylmercury acetate  
N-monoPhenyl-2-naphthylamine  
isoPhorone  
Potassium xanthate  
isoPropyl alcohol, unrefined, containing not less than 0.5 per cent. by weight of ketones  
Quinoline  
Quinolinic acid  
Sodium dihydrogen orthophosphate  
Sodium 2:4:6-trichlorophenoxide  
Thionyl chloride  
2:4 and 3:5-Xylenols

### VITAMIN PRODUCTS

#### Birmingham Analyst's Report

IN his annual report for 1951, issued recently, the Birmingham city analyst suggests that the duplication of expensive instruments for the analysis of vitamin products (see *C. & D.*, February 7, p. 125) and of specialists, could be avoided by having central laboratories capable of dealing with analytical problems requiring the use of modern techniques, the cost of upkeep to be shared among the local authorities concerned. He criticises some retailers of such products, commenting "we have from time to time seen displays of vitamin preparations in which containers have been removed from protective cartons and exposed to sunlight in pharmacy windows. In some cases pyramidal structures were built up of unprotected bottles in reckless disregard of the possible effect on the oil contained in them." During the year the department examined 508 samples of drugs of which ninety-two were incorrect.

### TRAVELLERS' SCHOOLS

#### Record result of appeal

THE 107th maintenance appeal festival dinner of the Royal Commercial Travellers' Schools was held in London on January 30 under the presidency of Alderman C. Gordon Maynard (president of the 1952 maintenance appeal). Mr. A. H. Carpenter (secretary of the schools) announced that the appeal had realised £42,750—the second highest total (apart from the centenary appeal) in the schools' history—exceeding the 1951 total by £1,749. The Earl



THREE PRINCIPAL OFFICERS AT BELFAST: Messrs. H. T. Thomas (chairman, Scottish Department, Pharmaceutical Society of Great Britain), W. H. Boyd (president, Pharmaceutical Society of Northern Ireland), and J. P. Kissane (president, Pharmaceutical Society of Ireland), with Mrs. Boyd, Mrs. Thomas and Mrs. Kissane at the annual dinner-dance of the Pharmaceutical Society of Northern Ireland in Belfast recently.



of Verulam said that £50,000 a year was required to keep the schools going. Mr. J. Freeman Dunn (chairman of the board of management of the schools) emphasised the acute anxiety of the board about the finances of the schools. Mr. Leslie Gamage (president of the schools) announced that he had made the total of the appeal up to £43,250. The president of the appeal, 1953, is Lord Lyle of Westbourne.

## INFLUENZA DEATHS

### Further Statistics

THE deaths from influenza in the 160 great cities of England and Wales (representing more than half the total population of the countries) during the week ended January 31 were, according to the Registrar General's weekly return, 313 (132 in the previous week and 1,269 in the corresponding period of 1951). During the week ended February 7 the number of deaths was 446 (865 in that period of 1951).

## LOCAL NEWS

### Rota Problem in Barnstaple

BARNSTAPLE trades council decided recently to send to the Trades Union Congress and Ministry of Health a request that more than one chemist's shop should remain open on late dispensing duty. One member said that often long queues formed outside chemists' shops. Delays, he said, were due to the meticulous care exercised in dispensing, and the chemists were not to blame. Another member reported that an offer by some of the larger pharmacies to "lend" dispensers to the smaller ones had been refused. In the event of an epidemic more than one shop would remain open.

### Nottingham University

THE University of Nottingham has acquired three properties near University Park, Nottingham, for development purposes. The department of pharmacy of the University has received a grant of £70 for research work.

## SCOTTISH NEWS

### Pricing in 1953

THE Department of Health for Scotland has informed Executive Councils that, after consultation with the chemists' representatives, it has decided to increase the fully priced sample of each chemist's group B forms every month from 15 per cent. to 20 per cent. A minimum of two packets will be priced in full for each chemist. The arrangements came into operation with the January 1953 forms. No change is involved in the method of grouping and submitting forms. It has also been announced that commencing with the December 1952 authorisations, to enable chemist contractors to keep check, all prescription forms on which purchase tax has been allowed will be indicated on the listed statements by an asterisk against the ingredient cost.

### Progress in Cortisone Research

THE Governors of the Royal Technical College, Glasgow, in their report

for the 1951-52 session, state that the organic research laboratories of the college have made considerable progress in the cortisone project; 11-oxygenated steroids have been prepared from ergosterol, and a route to cortisone from readily available starting materials has been established. It is also reported that work is being conducted on antibiotics, with special emphasis on the extraction and isolation of constituents showing antibacterial activity from a mould of the *Cephalosporium* species.

### Prescriptions Cost Doctor £32

A PERTH doctor who prescribed for a number of his patients a skin preparation that could be used as a foundation cream will have £32 deducted from his National Health Service payments, it was stated at a meeting of Perth and Kinross Executive Council on January 28.

### Cattle-show Award

THE supreme champion at the Perth Aberdeen-Angus show and sale, recently, was a bull belonging to Boots Pure Drug Co., Ltd., Brechin, Angus.

## IRISH NEWS

### Annual Dinner-dance

NEARLY 200 members and guests were present at the annual dinner-dance of the Pharmaceutical Society of Northern Ireland in Belfast, on February 9. Guests of the Society, who were welcomed by the president (Mr. W. H. Boyd), included Mr. H. T. Thomas (chairman, Scottish Executive of the Pharmaceutical Society of Great Britain), Mr. J. P. Kissane (president, Pharmaceutical Society of Ireland), Mr. M. Costello (vice-president), and Mr. H. P. Corrigan (treasurer), Mr. A. W. Kernahan (pharmacist, Northern Ire-

land General Health Services Board), and Miss A. E. Strachan (secretary, Ulster Chemists' Association). Mr. C. L. Gordon-Rattie (president, U.C.A.), was also present, together with Messrs. W. P. Ewart (vice-president, Pharmaceutical Society of Northern Ireland), and H. P. Crossin (treasurer). Mr. H. F. Moore was convener of the Committee of the Council responsible for the arrangements in connection with the event. (See photograph reproduced on p. 177.)

### Inquiry into Metric System

THE Irish Minister for Industry and Commerce (Mr. Sean Lemass) announced in the Dail on February 11, that he had established a committee to consider and report on the desirability of establishing the metric system officially in the Republic. One of the members of the committee is Mr. D. D. Coyle (a director of Hygeia, Ltd., Long Walk, Galway).

### Students' Society

A SOCIETY of Pharmaceutical Students, College of Technology, Belfast, was formed on January 14. The officers elected were: *President*, Mr. C. W. Young, M.P.S.N.I.; *Vice-presidents*, Miss Barrie, M.Sc., M.P.S.N.I., and Mr. J. A. Magill, B.Pharm., M.P.S.N.I.; *Chairman*, Mr. J. M. Smyth; *Vice-chairman*, Miss M. O'Neill; *Treasurer*, Mr. S. Moore; *Secretary*, Mr. G. Denison.

### President "At Home"

THE president of the Pharmaceutical Society of Northern Ireland (Mr. W. H. Boyd) is holding an "at home" to members on February 23. The films "Diagnosis and Treatment of Helminthiasis" and "Treatment of Ulcerative Colitis with Sulphathalidine" are being shown.

## N.A.W.P. DINNER AND DANCE

WITH its president (Miss M. A. Burr) abroad, the National Association of Women Pharmacists held its annual dinner and dance on February 11 under the chairmanship of its vice-president (Miss V. W. Burrell).

In "taking wine" with various groups of diners, Miss Burrell ingeniously combined recognition for services rendered to pharmacy with exhortation to respond to appeals, such as the appeal for funds for the London meeting of the British Pharmaceutical Conference.

### Giants of Today

The toast of the Pharmaceutical Society was proposed by MRS. H. SKINNER, who regarded the Council's activities from the wider sphere of the problems posed by some of the developments of recent years. The way those problems had been met suggested to her that there must be giants today no less than the giants who had laid the foundations of the Society. Dramatic changes in medicine had involved rapid advances in the education of pharmacists, and that problem had been courageously faced by the Council. Today, many members of the

Council gave of their time to attend meetings abroad and by so doing to further the interests of British and world pharmacy. Those activities were part of the trend of the time. The National Health Service had set the Council problems of the greatest delicacy. The Branch system, which had existed for only thirty years, gave each member of the Society an opportunity to take part in its activities, and Mrs. Skinner paid tribute to those who voluntarily gave so much of their time and energy as branch officers.

MR. F. C. WILSON, who responded, brought the greetings of the president, who was engaged at a similar function elsewhere. Mr. Wilson commended to members the flood fund appeal, and mentioned the curious fact that the Society's school had admitted women as students eleven years before the Society admitted women to membership.

The toast of the guests and visitors was proposed by MISS BURRELL and the response was given by MR. J. C. HANBURY.

During the evening an amount of £15 for the Society's Benevolent Fund was raised by means of a raffle.



## NEWS IN BRIEF

**Camera Thefts.**—Cameras valued at £115 were stolen from the window of a pharmacy of Bannister & Thatcher, Ltd., in Walsall, Staffs, recently.

**Staff Dance.**—The social club of the Reading branches of Boots, Ltd., held a dance in Reading in January, which nearly 200 people attended. Mr. H. C. Pacey, M.P.S. (manager, Broad Street branch) presented a bouquet to Mrs. M. Cohen, who was the chief organiser of the event.

**Survey for Pharmacy Site.**—At a meeting held in Huddersfield recently, the local Executive Council agreed that the Pharmaceutical Service Committee, together with the Clerk, should survey the Bradley suburb of Huddersfield with a view to recommending a site for a chemist's shop there.

**Sales Conference.**—The seventeenth annual sales conference of T. J. Smith & Nephew, Ltd., was held in Hull in January. Mr. T. L. Whittaker (director and sales manager of the company) in the chair. The guest speaker was Mr. A. F. Whitworth (a director, Incorporated Society of British Advertisers).

**D.D. Authority Withdrawn.**—Authority to be in possession of or supply Dangerous Drugs was again withdrawn from Mr. Alex Forbath, M.D. (Budapest) (registered address: 204 Avery Hill Road, London, S.E.9), on February 10. It was first withdrawn on February 12, 1946, but restored on December 9, 1947.

**Retail Sales in December 1952.**—Board of Trade figures recently issued show that sales of chemists' goods by large retailers were 56 per cent. higher in December 1952 than in November 1952 and 4 per cent. higher than in December 1951. Comparative figures for independent retailers were 42 per cent. higher and 5 per cent. higher respectively.

**A Halt to Health Legislation.**—The Minister of Health (Mr. Iain Macleod), while on a four-day tour in Wales recently, said at Cardiff that his ambition as Minister was to pass no legislation at all on health matters. "We have got enough legislation, regulations and paper about health," he said, "what really matters is to make certain that those things work."

**Reagents for Skin Testing.**—The Ministry of Health announces that coccidioidin, histoplasmin and blastomycosis antigen for diagnostic skin tests may now be obtained from the Department of Pathology, St. John's Hospital for Diseases of the Skin, Lisle Street, London, W.C.2 (telephone Gerard 8383, extension 22), and not from the London School of Hygiene and Tropical Medicine as previously.

**Overseas Scholarships.**—About 100 (mostly post-graduate) scholarships are being offered by fourteen European and three non-European countries to British students for study abroad during the academic year 1953-54. Further information may be obtained by sending a stamped addressed foolscap envelope to the Controller, Education Division, The British Council, 65 Davies Street, London, W.1.

## TOPICAL REFLECTIONS

By Xrayser

### *Horticultural Trade*

A pleasant surprise was experienced on going through your issue of February 14. The pages allotted to trade in horticultural chemicals and preparations, and to articles by experts on scientific aspects of this trade, contain almost enough material for a textbook. Ten years ago you published a series of articles on this subject. At that time the emphasis was on the growing of vegetables for their value as food, with Government propaganda supporting. In peace-time a wider scope for gardening is natural: beauty need not be strictly subordinated to nutritional utility. Is it an exaggeration to claim that we are by instinct a nation of gardeners? Some facts go to show that we are. At Easter, for instance, there is, except in the worst of weather, a general trek to gardens and allotments with the paraphernalia incidental to serious cultivation. And in Central London, during the mid-day interval for a meal, the small groups of people congregating at the windows of seedsman's shops are a regular feature. I suggest that such happenings indicate the existence of a *clientèle* ready for purchases; and who is better fitted to advise on fertilisers, insecticides and other gardening requisites than a chemist?

### *N.H.S. Queries*

Four recent reports on National Health Service matters (three on p. 146, one on p. 154) are of general interest. Taking the last one first, it will be noticed that the Ministry of Health is considering the effect that reductions in prices of proprietary medicines "might have on commercial research and the export trade." It seems to me that leading manufacturers are too well aware of the importance of research to make the prices of their products the sole criterion of continuance in laboratory tests; as to the export trade, it is understood that the lower the price the greater the advantage in competitive markets. We have been told more than once that some British prices are too high for overseas buyers, and that we are pricing ourselves out of this or that market. From a resolution of the Sheffield local medical committee it appears that prescribers in the area are anxious to reduce prices of medicines. This is a laudable desire; but what is the significance of the Ministry's comment that it "would be difficult to go back to the old system of pricing every prescription"? I was under the impression that full pricing, though not immediately practicable, was not ruled out in Whitehall. A speaker at a meeting of the Cornwall Pharmaceutical Committee made a shrewd thrust by remarking that if panel chemists owed anything to the Treasury, means would quickly be found to ascertain the exact amount. The resolution before the Lindsey Executive Council to prohibit the entrusting of "dangerous" drugs to children (whatever the interpretation of "dangerous" in this context may be) was defeated. The proposal was not likely, I think, to find much favour anywhere. Child messengers are sometimes necessary, and it is possible to secure dispensed medicines against easy opening.

### *Fun at Exeter*

A brains trust held lately at Exeter (p. 152) was the occasion of some diverting jokes. When a suggestion for the wearing of "a standard white garment" by pharmacists on duty was made, one member of the trust held that pharmacists are already "easily distinguishable by the worried look that they habitually wear." I wonder. An itinerant photographer might be able to give evidence about this. From a white garment the talk veered to "a black skull cap." I have a recollection of a few of my Victorian elders being crowned with this ornament; but I venture to suggest that a smoking cap, of which I possess a specimen, was a more decorative article and might be preferable. This question of headgear is complicated by the circumstance that students in increasing numbers obtain university degrees. In their case the college cap—the familiar "mortar board"—would seem more appropriate. They might also wear the corresponding gown, like apothecaries in past centuries.



## SCOTTISH DEPARTMENT EXECUTIVE

A MEETING of the Executive of the Scottish Department of the Pharmaceutical Society was held in Edinburgh, on January 28, Mr. H. T. Thomas in the chair. A welcome was extended to Mr. F. Hepburn, Edinburgh, who had been co-opted as a result of the resignation of Mr. J. J. Skinner, Stirling. It was agreed to ask Mr. M. S. Maconochie, Dundee, to accept co-option in place of the late Mr. G. M. C. Stewart. The resident secretary reported that arrangements were being made for suitable Coronation decorations, and that a bookcase had been made for exhibition, in the office, of the Society's publications. It was agreed that a set of publications should be sent to each Branch and arrangements made for orders to be attended to through York Place.

MR. S. HUGHAN said that members of the Glasgow Branch of the Society felt that there were many ambiguities in the draft revised code of ethics, and had decided to give the matter further discussion on the occasion of the vice-president's visit to Glasgow on February 18. The following resolution was submitted from the Aberdeen Branch:

"That the Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society endorse the Draft Statement on Matters of Professional Conduct as set out by the Pharmaceutical Society."

It was agreed that the question of the code of ethics should be remitted for further discussion to a meeting of the general purposes committee. Recommendations on the subject, either from members of the Executive or from the branches, would be helpful to the committee in preparing a report.

### Brochure on Pharmacy

Copies of a proposed brochure setting out the requirements for entrance to pharmacy were circulated. A suggestion by MR. A. A. MELDRUM that, under the paragraph dealing with prospects, appointments to the various Government departments and in the foreign and colonial service might be added, was approved. The proposed brochure, as finally approved by the Executive, is to be sent to London in time for the March meeting of the Pharmaceutical Society's Council.

It was reported that the recommendation that a new branch should be formed to cover the Banff, Moray and Nairn districts had met with the approval of the Council.

A suggestion had been received from the Aberdeen Branch that a meeting should be held in Orkney and Shetland, when a small party might pay a visit to the Islands. The Executive thought that a party of six might reasonably visit the Islands — the chairman and secretary of the Executive, two members of the Society's Council (Messrs. Meldrum and W. T. Elder), and the chairman and secretary of the Aberdeen Branch.

A letter sent to members of the Pharmaceutical Society in Scotland, drawing attention to the need for increased contributions to the Benevolent Fund had resulted in eight deeds of covenant being forwarded to London.

THE RESIDENT SECRETARY said that

a letter had been received from Mr. C. W. Macfarlane, who was unable to be present, expressing the hope that an invitation would be sent to the Society's Council to hold their meeting in Edinburgh to coincide with the official opening of the new laboratories. MR. MELDRUM said that, though he approved of the idea of inviting the Council to hold their meeting in Edinburgh once in a while, such an arrangement was not always feasible. MR. C. G. DRUMMOND asked if the date of the opening could be made to coincide with the date of the annual meeting in Edinburgh, and it was agreed to consider that suggestion.

MR. W. A. PARK expressed concern regarding the results indicated in the report of the board of examiners for Scotland, circulated to the Executive on January 13. It indicated a "deplorable ignorance," for instance, in posology, and he thought that the Executive should send a resolution to the Council requesting that the attention of candidates should be drawn to the importance of posology. He asked whether anything could be done about schools whose students showed consistently

poor results. DR. D. McCALL said that the reports of the boards of examiners were issued to all the schools of pharmacy in the country.

It was agreed that the following request should be forwarded to the Society's Council:—

"In view of the widespread interest shown in Mr. C. G. Drummond's paper on 'Pharmacy and Medicine in Old Edinburgh' [see *C. & D.*, January 31, p. 112] and the number of requests that have been made for copies of this address, the Executive is of opinion that it should be printed in full in the *Pharmaceutical Journal*."

It was reported that, since the previous meeting, six apprentices had been registered in Scotland. Arrangements were in hand for the following visits:—Mr. Brocklehurst, to Edinburgh, February 10; Stirling, February 11; Dundee, February 12. The vice-president to Glasgow, February 18.

The chairman had received an invitation from the Pharmaceutical Society of Northern Ireland to attend a dinner and dance there. The Executive agreed that the chairman should represent them at that function and that he should convey their felicitations to the Pharmaceutical Society of Northern Ireland.

## NORTHERN IRELAND HEALTH BOARD

AT a meeting of the Executive Committee of the General Health Services Board in Belfast recently, MR. JOHN MCGREGOR, on behalf of the Pharmaceutical Society, expressed appreciation of the excellent work done by the Board's pharmacist (Mr. A. W. Kernahan) in explaining the new coding system.

The Board, at its meeting on January 28, authorised payments to chemists of £106,678 for December (interim) and £11,176 for the balance of August.

It was reported that the Ministry of Health had informed the Board that complaints had been made by some of a doctor's patients that his new surgery was associated with a chemist's shop. It was understood that the chemist's shop, which opened on January 1, was run by a limited company, one of whose directors was the wife of the doctor concerned. The secretary reminded the Committee that the British Medical Association and the Pharmaceutical Society had in the early days of the National Health Service issued a joint statement for the guidance of doctors and chemists, pointing out the undesirability of a doctor and a chemist occupying the same premises unless there were separate means of access, and that a doctor should not have a financial interest in directing his patients to a chemist. The medical adviser was instructed to inspect the proposed new premises and report to the Committee.

The Board decided on the recommendation of the Medical Advisory Committee that a further approach should be made to the Ministry of Health to approve the introduction of "repeat prescriptions."

The Committee also considered a copy of the National Formulary price list (general section) issued by the

Sheffield Executive Council and forwarded by a doctor with a suggestion that copies should be circulated as a "yardstick" to general practitioners and consultants in Northern Ireland. The secretary said that it would be of more value to doctors for the Board to continue to issue lists of actual priced prescriptions or another list of comparative costs of proprietary and formulary prescriptions. The medical adviser suggested that a list of actual prescriptions of a large section of penicillin, "sulpha" drugs and cough mixtures be circulated in the near future.

The secretary reported a decision of the Central Medical Committee that 580 c.c. of Anahæmin and the entire quantity of oral liver prescribed by a doctor was in excess of what was reasonable. The Committee recommended that the doctor should be surcharged £55, the cost of the excess.

It was also reported that the appeal to the Ministry of four doctors against deductions imposed by the Board for excessive prescribing had failed. The Ministry had determined that there should be an increase of 50 per cent in each case, making the amounts to be recovered £152, £66, £54 and £26.

It was decided to defer for three months further consideration of the question whether GF4 was a drug or a dietary supplement.

The Services Committee ordered a deduction of £5 from the remuneration of a chemist who was found to be in breach of his terms of service by supplying drugs or prescribed appliances otherwise than as ordered on the Board's prescription form by a doctor. It was stated that the chemist had supplied drugs to patients on forms signed by a doctor but containing no order for drugs, and had thereafter entered the drugs supplied on the forms. The doctor in the case was ordered to pay £10



## PHARMACEUTICAL SERVICES IN LONDON

AT a meeting of the London Executive Council on January 22 it was reported by the General Benefits Committee that a "Standard Skin Test Outfit A.1-13 (Bencard)" is not allowed on an EC10 form supplied by a chemist to one patient. The Clerk of the Council reported that the Council had in a Pharmaceutical Service hearing in January 1952 decided that a supplier of appliances should be severely censured for supplying a 2½-in. web bandage when a 3-in. crêpe bandage was ordered and had recommended the Minister of Health to withhold fifteen guineas from the remuneration of the contractors. The Minister had now decided that no remuneration should be withheld but no payment should be made for the prescription in question. The Pharmaceutical Service Committee recommended that the chemists be cautioned and that a monetary penalty of £2 2s. be imposed in a case where a complainant alleged that a period of ten days had elapsed between the handing in of a prescription for a brand of vaginal tablets and its being dispensed. The superintendent of the company of chemists made an unqualified apology to the complainant; the delay had been because of an omission by an assistant who had since left the company's service.

### London Pharmaceutical Committee

A meeting of the London Pharmaceutical Committee on January 20 considered the price list of a wholesale distributor which had embossed on the cover the name and address of a contractor on the London Pharmaceutical List. The Committee decided that they could not support such advertising which, while not contravening the National Health Service Regulations, was to be deprecated on ethical grounds. In a case of infringement of the advertising regulations in which a free gift voucher had been offered to customers for photographic work (not made clear in the advertisement) the contractor had now ceased the practice altogether, and it was decided to take no further action. It had, however, transpired that the superintendent chemist of the company concerned had come on to the Executive Council's List in his own name, without disclosing that he was, in fact, representing a private limited company. That matter was referred to the Executive Council. In another case the Committee decided that they were unable to approve the use of certain wording on the facia of a shop and on dispensing labels. The Executive Council had recently commended the recovery of certain overpayments, by withholding the whole of some advance payments to contractors, that action being based on E.C.L. 26/52 of March 3, 1950, which dealt with supplementary payments. The Committee were of opinion that if an overpayment arose out of the ordinary advance payments based on the rulings of the Ministry of Health, then the Executive Council should not deduct more than 50 per cent. of the next advance payment, to meet that overpayment. If, however, an overpayment

arose due to a supplementary payment, then the present procedure should continue. Overpayments at the present time in London were averaged at £50. The secretary reported that according to reports received monthly from the Central Checking Bureau, the London Prescription Pricing Bureau was maintaining its high standard of accuracy. In 1950, prescriptions worth £134,000 had been checked and the error had been only 0.08 per cent. (in

the contractors' favour). The estimated expenditure of the Committee for the year 1953-54 was given as £3,830. That sum would be recovered from the accounts of contractors at the rate of ½d. in the £1 for approximately six months in the year. The secretary also stated that the new rota cards were being distributed. The total number of prescriptions in December 1951, January 1952 and February 1952 were respectively: 1,626,828; 1,953,088; and 1,865,209, at a total cost of £297,453; £354,044; and £349,929 respectively.

## STATUTORY COMMITTEE DECISIONS

THE Statutory Committee of the Pharmaceutical Society announced on February 4 its decision in the case, adjourned from the previous meeting, of a pharmacist who appeared to be in business relationship with a doctor (C. & D., 1952.II.795). THE CHAIRMAN (Mr. D. A. Scott Cairns, Q.C.) said the committee had agreed that neither the landlord-and-tenant relationship nor the relationship of being next-door neighbours was in itself unprofessional and that those facts, taken separately or together, were not such as to lead any reasonable person to suppose that an improper association existed. It would be impossible to define what additional factors should be held sufficient, in all circumstances, to decide that the appearance of improper association existed.

There was no reason to suppose that the provision of furniture by the pharmacist for the surgery or the opening of the communicating door for cleaning was known to any member of the public. The Committee had found more difficulty over the fact that the pharmacist had made public representations of the need for a doctor in his area. That might well have led members of the public to suppose that he was anxious to have a doctor practising near his business to increase his trade. But that was not the matter complained of.

### No Business Association Apparent

The Committee had reached the conclusion that the pharmacist had not been shown to have conducted himself in such a way as to lead reasonable persons to believe that he had an association with a doctor or a dentist, in the sense of one having a financial interest in the professional work of the other. The Committee therefore directed no action on the complaint. The pharmacist had at all times expressed his readiness to fall in with the requirements of the Society, and the Committee suggested that he should provide an entirely separate entrance gate for the surgery, should block up the communicating door, and should take steps to have a different street number from the present one provided for the surgery.

The Committee then considered the case of Mr. Christopher E. Williams, London, who had applied for restoration of his name to the register from which it had been removed for non-payment of his retention fee. It was shown that Mr. Williams had been convicted and sentenced to penal servitude at the Central Criminal Court, London, on April 5, 1943, for using an instru-

ment on a woman with intent to procure her miscarriage, and at Worcester-shire Assizes on January 21, 1946, for the manslaughter of a woman as a result of his use of an instrument with intent to procure her miscarriage. Mr. D. E. EVANS (counsel for Mr. Williams) said that his client was deeply repentant of his offences, and asked the Committee to bear in mind that Mr. Williams had already been heavily punished, and that he had placed himself in jeopardy in relation to his present employment by coming to the Committee to seek reinstatement to the register. Mr. WILLIAMS said on his own behalf, that he was at present employed as an assistant and had the opportunity of obtaining a better post if his name were restored. THE CHAIRMAN announced that the Committee would be failing in its duty to the public if it did anything other in that case than direct, as it did, that Mr. Williams' name should not be restored to the register.

## NEW BRITISH STANDARDS

COPIES of the following new British Standards are available from the British Standards Institution, Sales Branch, 24 Victoria Street, London, S.W.1:—

GLASS CONTAINER FINISHES (B.S. 1918, 1953, price 2s. 6d.): The standard covers continuous screw threads for glass containers. The screw finishes have been divided into two sections, R. 3/2 covering shallow screw finishes, and R. 4 tall or deep finishes. The standard gives particulars of gauges to enable bottle finishes and caps to be checked. The Association of British Chemical Manufacturers and the Association of British Pharmaceutical Industry were represented on the committee that prepared the standard.

SCREW THREADS AND EXTERNAL DIMENSIONS OF LAMPS FOR ENDOSCOPIC AND DIAGNOSTIC INSTRUMENTS (B.S. 1929, 1952, price 2s.): The standard has been prepared to promote the interchangeability of lamp fittings for endoscopic and diagnostic surgical instruments: it defines the form of the screw thread and the essential dimensions of the lamps. Existing instruments may be altered, at small cost, to comply with the specifications. Three types of lamp are specified: type A for endoscopic instruments giving proximal and distal illumination; type B, smaller, suitable for use in bronchoscopes; and type C, systoscope lamps in three sizes.



## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. IAIN MACLEOD (Minister of Health) told MR. A. BLENKINSOP in a written answer on February 9 that statistics for National Health Service prescriptions dispensed in the months of November and December 1951 and 1952 were as follows:—

Month	Number of Prescriptions	Average cost per prescription	Total cost
November, 1951 ..	19,034,911	{ 46.02d. 46.58d.	£3,649,880
December, 1951 ..	17,815,111		£3,457,607
November, 1952 ..	17,439,000	{	Not yet available
December, 1952 ..	20,100,000		

The figures include prescriptions for appliances ordered by general practitioners and dispensed by chemists and prescriptions given by hospital out-patient departments and dispensed by chemists. No figures are available to show the number of prescriptions dispensed at hospitals to out-patients.

### Effect of N.H.S. Charges

MR. A. BLENKINSOP asked the Minister of Health on February 12 what financial saving he now estimated would result from the charges imposed under the Health Service Act, 1952; how much of that resulted from a fall in use of the services concerned, and how the savings compared with the estimates originally given.

MR. IAIN MACLEOD (Minister of Health): The estimated amount of the charge paid or to be paid in 1952-53 by patients in England and Wales under the 1952 Act is about £2 million. In addition, while figures to enable a complete estimate to be made are not available, the reduction in the demand for dental treatment and for hospital appliances for which charges are made compared with the previous year is estimated to show a saving of about £1½ million. Comparisons cannot usefully be made with estimates.

### Penicillin in Animal Feeds

MISS P. HORNSBY-SMITH (Parliamentary Secretary to the Minister of Health) told MR. A. R. HURD on February 12 that the Minister was advised that there would be no risk to the public if penicillin and certain other antibiotics were included in suitable controlled quantities in the diet of fattening pigs and possibly table poultry, and that the quantities needed would be of the order of 2-20 parts in a million. There would remain in the meat no traces of a kind that would entail any risk to the consumer.

### Therapeutic Substances Bill

The Therapeutic Substances (Prevention of Misuse) Bill 1953, received its second reading in the House of Lords on February 12. Introducing it, LORD ONSLOW said nobody quarrelled with the existing Penicillin Act, 1947, but other substances had come forward, not necessarily in that category, which the Bill sought to empower the Minister concerned to regulate in such a way that their use should not be detrimental to the public. This applied particularly in the case of isoniazid, which was cheap to produce — it did not at the moment come within the scope of the 1947 Act — and could, if used for self-medicating purposes or without proper advice, do

a great deal of harm to the person concerned, and might easily be used in a way which none of them would wish it to be used. The other main purpose of the Bill was to allow the Minister and his colleagues interested in the same matters to permit the use

of certain of the drugs, particularly at the moment, penicillin, in the feeding of pigs and poultry. The Bill allowed regulations to be made.

In reply to questions by LORD AMULREE (who suggested that the Royal Veterinary College should be consulted about any regulations to be made under the Bill), and LORD LLEWELLYN, LORD ONSLOW said that the penicillin would be fed in one of two ways. The Agricultural and the Medical Research Councils were satisfied that penicillin fed to pigs in that form could do no harm whatsoever.

## LEGAL REPORTS

**Eire Pharmacy Act Fines.** — The Central Pharmacy, Ltd., Rathkeale, co. Limerick, was summoned recently at the Rathkeale District Court, at the instance of the Pharmaceutical Society of Ireland, with (a) a breach of the poisons law by selling Alophen pills (containing strychnine) in a bottle not having a label with the name and address of the seller, and (b) a breach of the Pharmacy Acts by permitting the sale to be made by an unqualified person. The company admitted both offences and the district justice imposed a fine of £1 on each of the summonses, with a total of £4 4s. costs.

**Penicillin Without Prescription.** — At Hendon, London, court on February 16, John Victor Gaches, M.P.S., 707 Finchley Road, Childs Hill, London, pleaded guilty to selling penicillin ointment without a prescription. The summons was brought under Section 1 of the Penicillin Act, 1947. On November 18, 1952, a woman agent of the Pharmaceutical Society went into Mr. Gaches's shop and asked for a tube of penicillin ointment. He asked her if it had been prescribed by a doctor, and, though she told him it had not, he sold her a tube for 2s. 6d. When interviewed by Mr. John Coombes, a Pharmacy Acts inspector, Mr. Gaches said he was dressing the shop window when the agent called, and he must have forgotten the prescription. Defending solicitor stated that it was surprising that the Pharmaceutical Society still had fears about the sale of penicillin as expressed in the 1947 Act, when, within a few weeks, the public was to be fed on penicillin-treated pork. The ointment, he pointed

out, contained 5,000 units, while the tablets contain 100 times as much. Mr. Gaches supplied a large amount of penicillin to a London County Council Rest Home where fifty-seven people were constantly using it. When the woman agent called he believed she was from the Home, and, as no prescription is necessary when supplying it there, he gave it to her without prescription. Mr. Gaches was fined £10 and ordered to pay £3 3s. costs.

## COMPANY NEWS

**GENATOSAN, LTD.** — Mr. Paul Hodgkins has been appointed a director.

**LIEBIG'S EXTRACT OF MEAT CO., LTD.** — Group profit for year ended August 31, 1952, before U.K. taxation was £1,224,599 against £994,402 in the previous year. Dividend, 9 per cent., tax free (same).

**HOWARDS & SONS, LTD.** — The directors announce that figures so far available for the year ended December 31, 1952, indicate that the company had a disappointing year's trading, and was operating at a loss for the second half of the year. Consideration of the payment of an ordinary dividend is therefore being deferred until the latter part of April when the audited accounts for 1952 should be available.

**ILFORD, LTD.** — An ordinary dividend of 15 per cent. is recommended for the year ended October 31, 1952, as for the previous year. Turnover was again a record but because of increased costs the trading profit of the parent company was £1,239,557 (against £1,321,636). After tax of £677,664 (£787,016), placing a further £150,000 to replacements of fixed assets reserve (same), and crediting £57,000 (nil) in respect of tax adjustments arising from earlier years, the net profit is £411,893, against £384,620.

## BUSINESS CHANGES

**MR. JEROME J. LEONARD.** M.P.S. is reopening a pharmacy at 23 High Street, Budleigh Salterton, Devon, which was formerly carried on by Boots, Ltd., and closed on January 17.

**WILLIAM FREEMAN & CO., LTD.**, Subaseal Works, Peel Street, Barnsley, Yorks, have appointed Mr. H. J. Heard their representative for their Subaseal and Subamaid domestic divisions in the East Midlands.

**HENDERSON BROS. & CO., LTD.**, brush manufacturers, Pallion Estate, Sunderland, have appointed Mr. R. L. Aiken their representative in North-west and West London and part of the Home Counties. Their former representative Mr. A. E. Green is going into business on his own account.

### Appointments

**DELAVALLE (SALES), LTD.**, 38 Orsman Road, Kingsland Road, London, N.1, have appointed Mr. R. G. Spencer their representative for Warwickshire, Worcestershire, Staffordshire and Shropshire; and Mr. R. A. Jackson their representative for the counties of Northampton, Leicester, Lincoln, Nottingham and Cambridge.



## MARRIAGES

**ELLIOTT—COTTRELL.**—At the Church of St. Michael and All Angels, Pinhoe, Devon, recently, Geoffrey Arthur Lewis Elliott, M.P.S., 1 Poltimore Crescent, Pinhoe, to Lily Sarah Cottrell, Pinhoe.

**STEARN—QUANTRILL.**—On February 12, at Muswell Hill Congregational Church, London, N.10, Sidney John Stearn, M.P.S., J.P. (treasurer, National Pharmaceutical Union), 159 Felixstowe Road, Ipswich, Suffolk, to Olive M. Quantrell, L.R.A.M., A.R.C.M., Ipswich.

## DEATHS

**BLACK.**—On February 14, Mr. H. W. Black, M.P.S., 4 Morgan Street, Tredegar, Mon. Mr. Black qualified in 1916.

**DORMER.**—At his home, Bingham Park, Water End, Hemel Hempstead, Herts, on February 12, suddenly, Mr. Stewart Percy Dormer (managing director of Bovril, Ltd.), aged fifty-one, Mr. Dormer recently completed thirty years' service with Bovril, Ltd., of which company he had been elected a director in 1941 and managing director in 1946. He was a director of a number of other companies including the Argentine Estates of Bovril, Ltd., Forsters Glass Co., Ltd., Marmite Food Extract Co., Ltd., and Wallis Tin Stamping Co., Ltd. He was a well-known breeder of dairy cattle and had been successful with his Park End herd of Guernseys. He was a Fellow of the Grocers' Institute.

**GARTY.**—At Mater Hospital, Dublin, on February 14, following an accident, Mr. Frederick R. Garty, M.P.S.I., 65 Lower Drumcondra Road, Dublin. Mr. Garty qualified in 1896 and was formerly in business at the Pharmacy, Charleville, co. Cork.

**TWYDELL.**—At St. James Hospital, Leeds, on January 18, Mr. Laurance Hobson Twyde, Ph.C., 6 Victoria Park Avenue, Kirkstall, Leeds, 5. Mr. Twyde qualified as a chemist and druggist in 1920 and passed the Pharmaceutical Chemist examination in 1921.

**SMITH.**—Of the late Mr. F. J. Smith (*C. & D.*, February 7, p. 126), *Mr. H. G. T. Read* (vice-president of the Proprietary Articles Trade Association) writes: With the passing of Fredk. J. Smith, the cause of price maintenance in Great Britain has lost one of its outstanding champions. He was associated with the late Sir William Glynn-Jones almost from the conception of the P.A.T.A. During the whole of the twenty-six years I have known him he was the chairman of the wholesale section of the P.A.T.A., and, to my knowledge, during that period, strenuously sought to protect the interests of manufacturer, wholesaler and retailer. Whilst his own interests were mainly wholesale, he always maintained the tripartite nature of the Association. The strain of the last few years when the principle of price maintenance appeared to be in jeopardy, must have been considerable, but as the outstanding personality of the wholesale

section he again accepted the presidency of the P.A.T.A. 1950-51. In addition to his exceptional qualities as a business man, administrator and negotiator, F. J. Smith had the ability of inspiring devotion, and affection in those with whom he worked, and his passing will indeed be mourned by a wide circle in the drug trade.

*Mr. H. E. Chapman* writes: When, thirty years ago, I became assistant secretary to the P.A.T.A., I was soon to realise that the member of its council and executive who exercised influence and authority second to none was Mr. F. J. Smith, and that my chief (Sir William Glynn-Jones) always paid the greatest attention to his views, and took counsel with him when any matter of policy was under consideration. When, in 1927, after Sir William's death, Mr. Smith became president of the P.A.T.A. for the second time, I became better acquainted with the more personal side of his character and learnt to appreciate those qualities of kindness and consideration for others, always present, but rarely the subject of outward display. Outside his own business, Mr. Smith's main interest lay in the P.A.T.A., and his unbroken membership, for more than forty years, of council and committee, gave him unrivalled experience of and influence in the Association's affairs, and a full understanding of what the system it represents meant to the well-being of the trade. Not long ago he wrote: "I have had over fifty years' experience in the manufacturing and wholesaling of branded goods in the chemists' trade. I can remember the time when the trade was cut to ribbons, when nobody, retailer or wholesaler, could make more than the barest living. Competition was rife and wages were correspondingly low. In the wholesale trade, in order to enable one's customers to meet the cut-throat competition, branded articles were often sold at a price which meant an actual net loss. . . . Do not let it be overlooked that cut prices produce low wages." It was this personal knowledge of the conditions which had existed in an "unprotected" trade that made him so strong and practical a supporter of the organisation which remedied them. He was the "father" of the P.A.T.A. council, and we of its staff will always remember his fatherly interest in our welfare.

**WILLIAMS.**—On February 12, suddenly, Mr. David John Williams, B.Sc., Ph.C., F.R.I.C., F.S.M.C., Barrister-at-law, Malvern Lodge, Camden Road, Bath, aged seventy-five. Mr. Williams was a teacher of pharmacy for forty-five years, forty of them in Bath and Bristol. In 1907 he founded the Bath and West College of Pharmacy and was proprietor until 1927 when it was taken over by the



Merchant Venturers' Society and transferred to Bristol. Mr. Williams studied at the Metropolitan College of Pharmacy, London, qualifying as a Chemist and Druggist in 1899, and winning a number of medals. He stayed on as a demonstrator and in 1901 passed the Pharmaceutical Chemist examination. On the death of the principal of the College, he and Mr. H. Lucas became co-principals for a time. He was also an occasional contributor to the "Summer Studies" of *THE CHEMIST AND DRUGGIST*. He took an active interest in local Pharmaceutical affairs and the Bath Branch of the Pharmaceutical Society elected him chairman five times. Mr. Williams contributed an article entitled "Contacts of Half a Century" in the *C. & D.*, 1946, II, 494. He served as a Bath City Councillor, 1942-45.

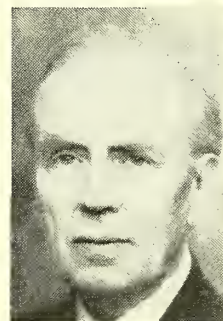
## PERSONALITIES

**SIR JAMES CHADWICK, F.R.S.**, has been appointed the Rutherford lecturer of the Royal Society for 1953. Sir James is delivering his lecture in Montreal later in 1953.

**MR. B. JONES** (a member of the board of Lewis & Burrows, Ltd.) has retired from active service to the company and was presented with a radio set and a gold wristlet watch, in appreciation of his thirty-eight years' service, by the board of directors on February 17. Mr. Jones is retaining his seat on the board.

**MR. JEROME J. LEONARD**, M.P.S. (see p. 182) was chairman of the Exeter branch of the Pharmaceutical Society in 1950 and has been a member of the Devon and Exeter Pharmaceutical Committee since the start of the National Health Service in 1948. He has been a member of the Sidmouth, Devon, Rotary Club since 1938 and was president of the club in 1942-43 and 1946-47. Mr. Leonard managed the Sidmouth branch of Boots, Ltd., for twenty-three years.

**PROFESSOR GOSTA EDMAN**, who received the Hanbury Memorial medal of the Pharmaceutical Society at a ceremony in London, on February 19 (see p. 194) has been professor of botany and pharmacognosy, Royal Pharmaceutical Institute, Stockholm, Sweden, since 1934. He is the first Swedish recipient of the medal. His studies, which he undertook at the Institute at which he is now a professor, and the Universities of Vienna and Graz led to researches on a wide range of botanical problems. He has also conducted research on chemomicroscopy, especially in relation to the occurrence of eugenol and of silica in vegetable drugs. He has been on the staff of the Institute since 1920. He studied English for six months in order to read the lecture in English.





## MACHINERY AND PLANT

**A Versatile Bottle-washer.** — Connected to any mains-supply tap the Adelphi bottle-washer, manufactured by the Adelphi Manufacturing Co., Ltd., 20 Duncan Terrace, London, N.1, can be used for any type of bottle (it washes sprinkler-necks at 400 per hour) and is available for prompt delivery.

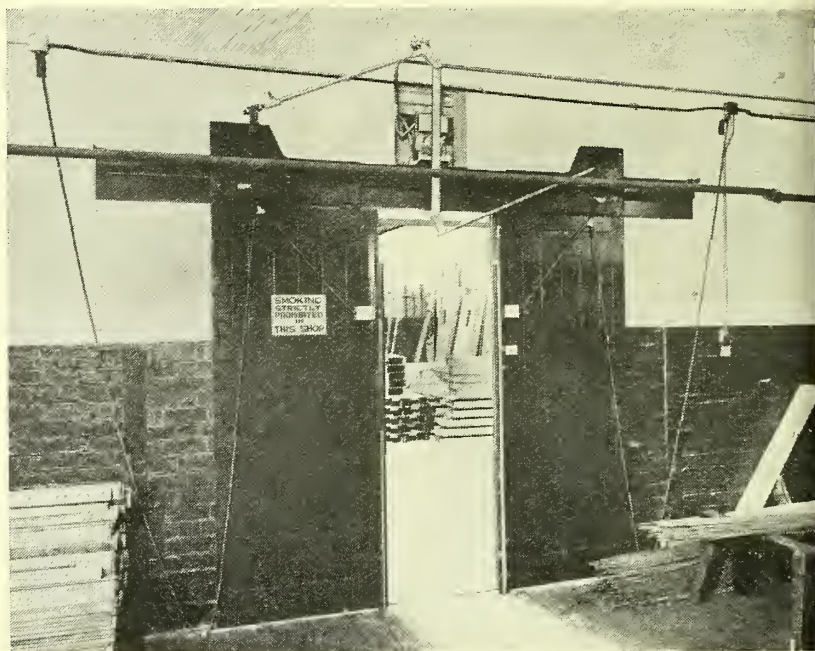
**Metalwork Reconditioned.** — Ferrex, Ltd., 3 Blandford Road, Ealing, London, W.5, undertake spray painting and reconditioning of bronze and steel metalwork. Colours can be supplied or matched to specific requirements and the life of steel equipment, furniture, partitions or shopfronts prolonged. The company's mobile units operate throughout the country.

**Vacuum Pipelines.** — With normal high-quality plumbing, a satisfactory vacuum pipeline system serving up to twenty-four points in different rooms (if necessary on different floors) can be operated with pumping units supplied by W. Edwards & Co. (London), Ltd., Worsley Bridge Road, London, S.E.26. The units comprise vacuum pump, electric motor, drying and capacity chamber, valves and vacuum connections. Provision can be made for users to switch the pump on and off from any point.

**Cleaning Test-tubes and Syringes.** — Quickly saving its own cost where test-tubes or hypodermic syringes have to be cleaned in any quantity, because it performs the operation in a fraction of the time taken by hand, the Surgic machine produced by Thomas Hill Engineering Co. (Hull), Ltd., 247 Beverley Road, Hull, Yorks, makes use of interchangeable Nylon brushes (proof against water and detergent). All parts are easily reached for cleaning and through a Perspex shield the operator has a clear view of the brush and glassware undergoing cleaning treatment.

**Acid and Alkali-resisting Tile.** — A vitrified buff tile introduced by J. H. Sankey & Son, Ltd., Ilford, Essex, permanently withstands water, acids and alkalis, has a non-slippery surface, and a pleasant buff colour that is light-reflecting. The tile is specially suitable for flooring in chemical works and laboratories and can also be used for lining acid and other storage tanks. It is available in two thicknesses. For setting the tiles, especially in the construction of acid-resisting floors and tanks, the use of the company's acid-resisting cement is recommended. A descriptive leaflet is available from the makers.

**Serviced Lighting Under Contract.** — Besides entailing severe capital costs, fluorescent lighting brings with it problems of maintenance. A service offered by Hirelite, Ltd., 115 Cannon Street, London, E.C.4, transfers those problems to the electrical engineer. Under a five-year contract, Messrs. Hirelite provide, install, maintain and clean fittings, lamps, control gear and accessories. At the end of the contract the original fittings can, at the subscriber's option, be replaced by new and up-to-



Automatic doors (shown half open) installed at a factory by the Express Lift Co., Ltd.

date fittings, thus ensuring that constant good lighting is paid for out of revenue account. A descriptive booklet is available from the company.

**Tap-water Filter.** — Designed primarily for photographic use, the Steralic Ultra filter made by Steralic Filters, Ltd., Beaconsfield, Bucks, and distributed by Ilford, Ltd., has many other uses. The unit employs an expendable carbon-containing filter cartridge which removes suspended matter, undissolved solids, iron and rust, dissolved chlorine and other gases, retaining an ample flow the while. It is designed to fit a  $\frac{1}{2}$ -in. standard tap, and secures a tight fit by means of a knurled ring which compresses a rubber washer on to the tap. An extension nozzle may be fitted to take a flexible tube. In tests in which the filter has been subjected to 20 lb. per sq. in. hydraulic and 5 lb. per sq. in. air pressure, it has shown itself fit for general service and given proof of final sealing, and individual test certificates are issued on request. The makers recommend operating at half the hydraulic test pressure. The filter passes crystal-clear water. The cartridge is easily and quickly replaced and the filter is finished in cream cellulose and polished duralumin.

**Automatic Sliding Doors.** — Doors developed primarily for lift entrances by the Express Lift Co., Ltd., an associate of the General Electric Co., Ltd., Kingsway, London, W.C.2, have been adapted to provide automatic sliding doors suitable for factories and warehouses. The doors close automatically, thus preventing draughts, making it easier to maintain a constant temperature within the building and ensuring maximum advantage from consumption of fuel. The doors are two sliding panels opening from the centre and

running on ball-bearing rollers or bright steel tracks. They are opened and closed by an electric operator. Fitted to the doors is a sensitive edge that ensures their instant reversal should an obstruction be encountered. An adjustable time delay is embodied in the controller so that the doors are held open for any pre-determined period within the limits allowed. They are opened by means of press buttons which can be fitted at any convenient point.

**"Revolutionary" Comminuting Mill.** — Apex Construction, Ltd., 15 Soho Square, London, W.1, have produced in their Apex comminuting mill, a new and revolutionary machine hitherto unavailable in this country. Machines of similar type are extensively used in the United States where they have given high rates of production and made possible the manufacture of new products not hitherto attainable. Advantages claimed are high output; great versatility aided by non-corrosive construction, ease of cleaning and sterilisation, and mobility; uniform product and dustless operation with dry materials; dual action (by the use of dual-faced blades either of which can be quickly put into operation); and built-in safety devices. Heat-sensitive materials can be processed in temperature-controlled models. The machine is useful in size-reduction of drugs, roots, animal products, granulating slugs, etc.; pulverising pharmaceutical chemicals, soaps for manufacture of dental powders, etc.; size-enlargement by wet or dry granulation mixing and sizing tablet formulations in previously roughly mixed condition; and the dispersion of colours, lubricants, perfume oils, and other materials through dry, finely divided powders, or of solids and flocs in ointment bases, etc.



## TRADE NOTES

**Reintroduced.** — George Eade, Ltd., 232 Goswell Road, London, E.C.1, are remarketing their anti-bilious pills in a new form under the name of Antibil.

**Address of a Manufacturer.** — The address of Chilton Electric Products, Ltd., is Hungerford, Berks, and not as stated in these columns recently.

**Tablets to Own Formula.** — On another page, the Buckley Bowker Tablet Co., Ltd., 29 Parkfield Street, London, N.1, direct attention to their tablet service for the manufacture of tablets to private formulas.

**Drysalteries.** — The Algological Products Co., Ltd., Old Kent Road, London, S.E.15, offer castor, linseed, neats-foot, olive, etc., oils, and caustic soda, copper sulphate, naphthalene, stockholm tar, etc., in 1- and 5-gall. cans.

**Mechanical Handling Film.** — Copies of a 16-mm. sound and colour film, "Conveyors as Your Servants," is available for free loan from the Mechanical Handling Engineers' Association, 94 Petty France, London, S.W.1.

**Bonus Offer.** — Imperial Chemical (Pharmaceuticals), Ltd., Wilmslow, Manchester, are making a special bonus offer of their livestock remedies. Until May 9 a selection may be made from the company's full range of such products, and an extra discount secured on trade orders to the value of £12 or more.

**Change of Source.** — Owing to the expiration of their lease, Ilex Supply Co., Ltd., have disposed to Thos. Christy & Co., Ltd., North Lane, Aldershot, Hants, of the sole rights of manufacture and distribution of Page-Barker's scurf and dandruff lotion, scurf pomade, stimulating hair tonic, D43 shampoo and shampoo snaps.

**Design in a Wide Range.** — On February 17, T.H.M. Partners celebrated twelve months of practice as specialists in packaging and interior design by moving into new premises at 48 Dover Street, London, W.1. Between them the partners, experts in packaging, interior decoration and typography, undertake the designing of trade marks, letter-headings, containers, labels, counter units, shops and showrooms.

**Fly Cards in New Shapes.** — The Rodmill Chemical Co., Ltd., Islington Row, Liverpool, 3, have produced four new designs of Dicit fly cards. The cards are printed in seven colours. Three are entitled "A basket of flowers," "A pair of budgerigars," "A basket of lovely white heather"; the fourth has a Coronation design of crossed flags. The standard pack is a transparent envelope containing four cards assorted or of one design. A special discount is being given on all orders for 6 doz. placed before May 1.

**Local Treatment of Colds.** — Fenox compound isotonic nasal drops of phenylephrine and naphazoline, supplied in ½-fl.-oz. dropper bottle by the wholesale and export department of Boots Pure Drug Co., Ltd., Nottingham, are claimed to have the advantages of "two-stage vasoconstriction"

(immediate and prolonged); that they are water-miscible and non-oily (no interference with ciliary action and no danger of lipoid pneumonia); that the liquid remains at the site of action (same viscosity as mucus); and that they are non-irritant (isotonic with nasal secretion).

**"Built-in" Powder Foundation.** — Coty (England), Ltd., 3 Stratford Place, London, W.1, offer, in a new preparation Instant Beauty, a tinted foundation base that dispenses with the protective undercoat previously applied by many women before using a tinted foundation. Instant Beauty, though it "dries immediately," has a non-drying ingredient that is non-oily and is claimed to leave the skin "flawless and supple." The foundation cream is free-flowing and non-caking. It is available in three shades: *Naturelle*, *azalée*, and *continentale* in a shaped bottle with closure to tone with the contents.

**British Chemicals and their Manufacturers.** — The 1953 edition of their directory was published recently by the Association of British Chemical Manufacturers. It will be welcomed by the many buyers who require to know the names and addresses of actual manufacturers of chemicals — heavy, fine, pharmaceutical, etc. The directory, being published every two years, has

required the addition of many new chemicals in this edition—the entries occupying about five more pages than in the 1951 edition. All the former features are retained including a list of proprietary and trade names and illustrated trade marks. Bona fide purchasers of chemicals may obtain a copy of the directory without charge from the Association, 166 Piccadilly, London, W.1.

**Three Makers Share a Showroom.** — A co-operative enterprise of promise took shape on February 17, when a new export showroom was opened at 92 Regent Street, London, W.1, for a group of British companies manufacturing non-competitive merchandise: W. A. GOOLD, Walsall (fitted brush sets, shaving sets and other leather goods); PROGRESS SHAVING BRUSH CO., LTD., Stockport (pure bristle and badger-hair shaving brushes) with their associated company, Joseph Lamb & Co., Ltd., Stockport (drop and feeding bottles and chemists' sundries); and THERMOS (1925), LTD., Leyton, London, E.10 (vacuum flasks, jugs and jars). The location of the showroom was chosen for the convenience of overseas trade buyers, and the three companies are hoping to secure additional business especially in dollar areas. Home buyers are also made welcome.

## NEW PRODUCTS AND PACKS

**Night-driving Glasses.** — On another page the Fish Optical Co., Ltd., 261 Harrow Road, London, W.2, illustrate and describe their Roadmaster night-driving glasses (made from a special tint of sodium-vapour glass) and other products in their range.

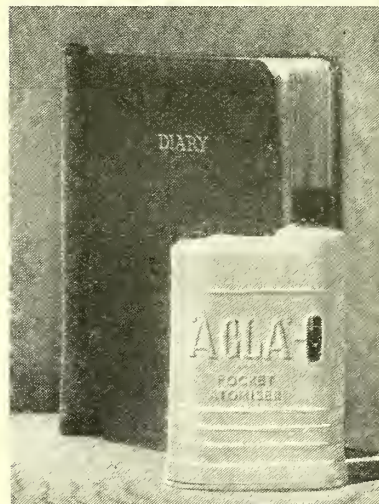
**Suppositories Containing Khellin.** — Paines & Byrne, Ltd., Bilton Road, Greenford, Middlesex, are marketing, under the name Khellanal, specially formulated suppositories containing pure khellin. Copies of information cards that are being sent to medical practitioners are available to pharmacists on request.

**Re-usable Preservative Wrapping.** — The H. & A. Manufacturing Co., Ltd., Kirkby, Liverpool, are marketing Plio-film preservative wrapping material (manufactured by the Goodyear Tyre & Rubber Co., Wolverhampton) in a continuous roll for domestic use. The transparent film keeps food fresh for unprecedented lengths of time. It enables meat and fish, for example, to be kept fresh side by side on the same plate without any intermingling of their flavours. The necessary heat-sealing can be done by a warm ordinary domestic iron, and the material can be cleaned with a damp cloth and re-used many times. A descriptive leaflet is enclosed in each roll of the material.

**Growth Factor.** — In clinical trials—reported in the *British Medical Journal* (1952, I, 1388)—of a newly discovered growth factor, acknowledgment was given by Professor John Yudkin to Kylon, Ltd., 10 Sackville Street, London, W.1, for providing the special preparation of liver powder used. Messrs. Kylon state that the product is now

available as Kylon GF4 in packs of twenty-eight pleasantly flavoured tablets (sufficient for a fortnight's supply). Each tablet contains gr. 9.2 of biologically tested growth-promoting liver concentrate. It may be prescribed on EC10 forms. The distributors are Tampax, Ltd., 110 Jermyn Street, London.

**Pocket Atomiser.** — Burroughs Wellcome & Co., 183 Euston Road, Lon-



don, N.W.1, have produced in the Agla pocket atomiser a convenient means of enabling patients to use an aqueous or oily spray solution immediately at any time. There are no loose parts to fit together, and no protective case is required, since the entire glass container for the solution is cushioned with thick rubber.



# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held in London on February 3 and 4, the president (Mr. W. J. Tristram) in the chair.

## *Flood Disaster*

THE PRESIDENT, speaking of the loss of life that had been caused by the flood disaster on the East Coast, said it would be the wish of the Council and of the whole membership that their very deep regret and sympathy for all those who had lost relatives and who were homeless or who had suffered in any way should be recorded. It was proposed to launch a Pharmaceutical Flood Relief Fund to help pharmacists who were in distress (see *C. & D.*, February 7, p. 122). MR. E. A. BROCKLEHURST (chairman of the Benevolent Fund Committee) said that the Committee had asked the secretary to obtain full information of members affected by the floods and had authorised the chairman to render immediate help where required. He hoped that the Council would agree that immediate help should be given from the Benevolent Fund to cover the period before help from other pharmaceutical sources could be organised.

THE REGISTRAR reported that the following members of Council were due to retire in May:—Mr. E. A. Brocklehurst, Miss M. A. Burr, Messrs. T. Heseltine, G. H. Hughes, C. W. Macfarlane, H. Steinman and F. G. Wells, and that the auditors, Mr. R. E. Conder, Sir Harry Hague, Messrs. J. C. Hanbury, J. S. Hills and Sir Harry Jephcott were due to retire at the same time.

## *Resolutions from Branches*

The following resolutions and reports from Branches conveying views on the draft statement on matters of professional conduct and suggesting alterations were received:

### *East Metropolitan*

The terms of the statement as at present, is unacceptable to this Branch. The Council are requested to withdraw the present draft statement, to submit a revised one not sooner than the 1954 annual meeting and to be guided by a plebiscite of all members before submitting a revised statement.

### *Edinburgh and South-eastern Scottish*

The wording of paragraph 4 should terminate with the sentence "Both the external and the internal appearance of the premises should be dignified and reflect the professional character of the pharmacy."

### *Harrow*

A code of ethics is desirable but the rules should be strictly confined to matters of professional conduct.

### *Lancaster and Morecambe*

A revised statement is not necessary, the present statement being adequate. Paragraphs 2, 3, 4, 8 and 28 should be deleted; 10, 16, 17 and 22 should be modified and 6 and 19 need explanation.

### *Mansfield*

The code of ethics should be re-drafted in its entirety so as to exclude those matters which are essentially of a business nature and which are contained in clauses 1, 2, 3, 4, 7, 19, 24 and 28. The new code should be drawn up by a committee fully representative of pharmacy and then re-submitted to the Branches for further consideration.

### *Scarborough*

No code of ethics should be drafted or introduced without consultation and definite agreement with the National Pharmaceutical Union. Paragraph 1 should read "Standards of professional conduct for pharmacy are necessary for confidence in and respect for pharmacists as a body." 2, 3, 4, 7, 13, 14, 15, 25 and 26 should be deleted, and 6 and 10 modified.

### *Swansea and West Glamorgan*

Statement agreed subject to reassurance concerning the application of paragraphs 4, 16(b), 16(c), 24 and 28.

Following consideration of the suggestions and criticisms so far received the Ethical Committee recommended a number of alterations to the draft. The Council hoped to approve a final draft at their March meeting. A request

from the Union of Shop, Distributive and Allied Workers for a discussion on the statement between representatives of the Association of Pharmaceutical Employees and the Society was granted.

## *Reports on Examinations*

The Education Committee's report stated that the Committee had received a report of the Privy Council Visitor on the Society's examinations in Scotland in 1952. MR. C. W. MACFARLANE asked whether the Committee had noted and whether the board of examiners would keep in mind the visitor's reference to the low standard of most candidates in pharmacognosy and his suggestion that the syllabus in that subject was too heavy. He noted that students were copying diagrams from textbooks. That was wrong, but more so that teachers should sign such students' notebooks as a record of original work. The Council should not allow that sort of thing (which was not peculiar to Scotland) to continue. MR. MAPLETHORPE (chairman of the Committee) said that the board of examiners had been asked to report on the question of overloading in the pharmacognosy syllabus. On the notebook question the secretary was communicating with the teachers. MR. MACFARLANE said he had heard that before but the situation continued year after year and nothing was being done about it. He would like to see some action taken. MR. MAPLETHORPE replied that the Council would have an opportunity of saying if any particular action should be taken in the matter. MR. A. A. MELDRUM pointed out that he had drawn attention, three or four years ago, to the fact that not only did teachers initial the students' books but teachers in the Intermediate courses actually signed certificates stating that the candidate was competent to sit for the examination. It was a wide problem and the Council and the Committee had a big job to clean it up. Those teachers knew very well that many of the students were not competent to sit for the examination and that was having an adverse effect on the examinations and on the examiners. MR. MAPLETHORPE said that was a question of raising the status and quality of teachers and it was a fundamental question which the Council should consider.

Reports on examinations held in England and Wales and in Scotland in January were received. *Intermediate Examination*:—England and Wales: Of eight first entries, three passed, four failed, and one was referred; there were twenty-nine re-entries, of whom five passed, fifteen failed, six were referred, and three were absent; of fifty-two candidates who sat for a referred subject, twenty-eight passed and twenty-four were again referred. Scotland: Of four first entries, one passed, two failed, and one was referred; twenty-one candidates re-entered and eight passed, eight failed, three were referred and two were absent; of twenty-four entrants for a referred subject, sixteen passed and eight were again referred. *Chemist and Druggist Qualifying Examination*:—England and Wales: Of five first entries three passed and two failed; of thirty-four re-entries twenty-two passed, seven failed, three were referred and two were absent; of twenty-four re-entrants for a referred subject, twenty-three passed and one was again referred. Scotland: Of four first entries, all passed; of sixteen re-entries, nine passed, two failed, one was referred and four were absent; of twenty entrants for a referred subject, nineteen passed and one was again referred. *Qualifying Examination*: England and Wales: Of thirty-three first entrants, twelve passed, six failed, six were referred in one subject and seven in two subjects, and two were absent; of twenty-eight re-entries, seven passed, twelve failed, five were referred in one subject and three in two subjects, and one was absent; forty-three entered for one subject and twenty-six passed, fifteen were again referred and two were absent; twenty-one sat for two subjects, and ten passed, eleven being again referred in both



subjects; for forensic pharmacy only there were sixty-two candidates, fifty-seven of whom passed and five were referred. Scotland: Of twenty-one first entries, ten passed, six failed, four were referred in one subject and one in two subjects; of twenty-three re-entrants, five passed, eleven failed, two were referred in one subject and four in two subjects, and one was absent; twenty-six candidates entered for one referred subject, and sixteen passed, ten were again referred; twenty-one entered for two referred subjects and fourteen passed, six were again referred in both subjects, and one was absent; of sixteen entrants for Forensic Pharmacy only, all passed.

### Students' Resolutions

The Education Committee considered four resolutions that had been passed at the previous Conference of the British Pharmaceutical Students' Association. A resolution "that this assembly views with increasing concern the entry into schools of pharmacy of persons with no previous experience of pharmaceutical technique" was noted with interest. In reply to the VICE-PRESIDENT (Mr. T. Heseltine), MR. MAPLETHORPE said that the Association would like prospective entrants to have an opportunity of spending a week or two in a pharmacy before making up their minds whether they wished to take a college course or an apprenticeship as their immediate move. They thought that an advisory panel of pharmacists might be set up. That might be extremely desirable but the Committee felt that it was not practicable. A second resolution stated "that the assembly feels that the present Pharmaceutical Chemist course is not satisfactory, particularly in the emphasis on certain aspects of pharmaceuticals (galenicals)." The Committee understood that the real criticism was the absence of an examination period for galenical work and referred the resolution to the boards of examiners. Finally the Association asked for a decrease of the time lag between written and practical examinations to reduce candidates' travelling expenses. The Committee understood that the existing arrangements for the written examinations to be taken at sixteen centres fully met that problem. It was reported to the Committee that the University of Manchester had agreed to provide facilities for the Qualifying examination to be held there in the summer.

The Council approved a recommendation of the Organisation Committee that the next Branch Secretaries' meeting should be invited to express its views on the question of reviving the arrangement whereby the Branch Representatives' meetings elected representatives to consult with the Organisation Committee. MR. F. G. WELLS raised the question whether the afternoon session of the Branch Representatives' meeting held in Conference week could take the form of the Conference symposium session. That would have the advantage of making the meeting an integral part of the Conference. The Council's view was that the question should first be considered by the Organisation Committee.

The Benevolent Fund and War Aid Committee's report showed that grants amounting to £244, plus £50 from the Orphan Fund, had been made to seven widows and three members. The report of the warden of Birdsgrove House stated that in 1952 there had been 366 guests staying for an aggregate of 707 weeks (in 1951, 195 guests and 402 weeks). Further gifts were reported. With the approval of the Pharmaceutical Societies of Ireland and Northern Ireland, the Council agreed that the President, Mr. Hudson and the Registrar should be nominated jointly to the Selection British Pharmacopoeia Commission Committee.

Mr. Granville Shaw (chairman, Establishment Committee) was appointed the Council's institutional delegate to the Library Association. The Council decided to make a grant of £500 to the British Pharmaceutical Conference to be held in London in September. Those funds would be used to enable young pharmacists in need of assistance to attend.

The Public Services Committee reported that comments by Branches on assistants in pharmacy had been received

from the following Branches:—

#### Dudley and Stourbridge

Endorses the efforts of the Society in its attempt to provide a standard for dispensing assistants but emphasises that all possible legal safeguards should be made in order to give complete protection to the pharmacist, and there should be no possibility of such a certificate being displayed under any circumstances.

#### Harrow

In the interests of pharmacy we do not desire registration of unqualified assistants. If registration is enforced, this should be solely under the control of the Pharmaceutical Society.

#### Lancaster and Morecambe

Deplores the suggestion that the Society should recognise the registration of assistants in pharmacy and gives its full support to the statement issued by the Torquay and District Branch.

#### Scarborough

The Council should take action in regard to assistants in pharmacy only if absolutely necessary (rather than this be done by an outside body) and it should be applicable to those employed in hospital service only. The title Pharmacy Assistants is not desirable.

#### Swansea and West Glamorgan

Approves in principle of the Council's report on Assistants in Pharmacy, but asks for consideration of the following suggestions:—

1. The title of the registered assistants should be carefully chosen to avoid confusion in the public mind with pharmacists. For this reason the suggested title should be changed to pharmacy technicians or auxiliaries.
2. That training should be carried out in the pharmacy by the pharmacist in charge.
3. Examinations should be conducted at local centres under the general direction of the Society. They should be entirely practical except for a short oral examination on basic theoretical knowledge.

The Dartford, East Metropolitan and Guildford Branches opposed recognition altogether.

### Registrar's Report

The registrar's report for 1952 was, subject to minor amendments, approved for publication. Points from the report are:—

The aggregate increase of names on the register was 199. The number of persons on the register on December 31, 1952, were: Pharmaceutical chemists 2,356, chemists and druggists, 23,909. In enforcing the Pharmacy and Poisons Act, 1933, it was necessary to institute proceedings in thirty-four cases. For the Pharmacy and Medicines Act, 1941, the number was five; for the Penicillin Act, 1947, three; and for the Summary Jurisdiction Act, 1848, one (for aiding, abetting, counselling and procuring).

The number of authorised sellers of poisons on the register was 15,150 (4,180 branch shops). In 1951 the corresponding figures were 15,045 (4,149). The number of superintendents to bodies corporate increased from 3,025 in 1951 to 3,104. In 1952, 12,442 authorised and 2,197 listed sellers of poisons were visited by the Society's inspectors against 12,732 and 1,681 respectively in 1951.

#### SONNET TO A SEDATIVE.—

*Come Sleep, come gentle Phenobarbitone,  
And with thy sweet oblivion fill my sense!  
Of modern life thou art the cornerstone,  
The weary Twentieth Century's recompense.  
How changed the course of Literature alone,  
Had earlier ages felt thy influence;  
If Shakespeare had thy soothing virtues known,  
How different his plays, how less intense!  
Macbeth from pangs of conscience would be free;  
No longer would his lady walk at night;  
No Prince would cry: "To be, or not to be!"  
Nor Crookbaek start from babbling dreams in fright.  
And students nightly toiling, towel on head,  
Would sweetly sleep, without thine aid, in bed.*

—F.M.H.D. in Truth.



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# The CHEMIST AND DRUGGIST

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## 101 Years After

A CENTURY and 364 days after Britain's first Pharmacy Bill was given a first reading in the House of Commons, the text was published on February 11 (*C. & D.*, February 14, p. 155) of the Pharmacy Bill, 1952. The new Bill has not the illustrious sponsorship of a Jacob Bell, who piloted the 1852 Bill through the Commons. The name of its sponsor (Mr. John Hall) may have a similar ring, but he is not a pharmaceutical chemist, nor a pharmacist, even though there are, among the nine supporters whose names appear on the document, one of the secretaries of the Pharmaceutical Society and a Member whose name has been on the register of chemists and druggists since 1926.

Ironically enough, the new Bill sets out to establish a position that the promoters of the original Act sought to secure, since that was brought in with the object of "regulating the Qualifications of Pharmaceutical Chemists," and the present Bill would establish the register of pharmaceutical chemists as the only register of pharmacists. No chemist and druggist on the 1953 register is likely to object to that, though holders of the Pharmaceutical Chemist qualification who secured it under now superseded examination regulations may be wondering what is being done by the Council to ensure that the higher academic attainments it represented at the time are not just consigned to oblivion. Recalling talk of Fellowships, etc., they may expect machinery for introducing them not to lag too far behind the levelling out of the statutory qualification.

It is satisfactory, as a matter of constitutional right, that pharmaceutical chemists who have later qualified as medical practitioners should no longer, if the Bill goes through, be theoretically debarred from registration as pharmaceutical chemists, though we should be surprised if many such were aware of the disqualification or had had their annual registration fees returned to them by the Council on that score.

Funds have, of course, recently been rather a delicate subject for the Council, since the upper limit of fee permitted under existing legislation was reached some time ago. Let nobody be deceived, therefore, that a provision tucked away as paragraph (e) of Clause 7 of the Bill is of relative unimportance. That paragraph would repeal "so much of subsection (2) of section one of the Pharmacy and Poisons Act, 1933, as provides that the retention fee therein referred to shall not exceed two pounds." If and when the Bill goes through, therefore, the position may become as it was euphemistically described by a headquarters spokes-

man recently, namely that members will then have "complete control of the amount of the retention fee." In fact, however, there will be no impediment to the Council's raising the fees to any height. If members then are able to find out who voted for the increase, or how the increase is spent, they will either be receiving much more informative Council reports and statements of accounts than at present or they will have found a method of analysis more penetrating than any that has been devised so far.

There are other clauses in the Bill which are also good or bad according to the degree of confidence reposed in the Council. It is agreeable to think that neither the present nor any future Council would admit to the register any degree-holders "without examination or without satisfying any requirements to which they would be subject apart from this section under by-laws." But the power would be there, and if members should object their only course would be to oust all their elected Councillors—a three-year process—and return new ones pledged to a desired policy. Even then, possibly, they would be denied opportunity to find out how members acted to give effect to their pledges.

Similarly, the Bill would repeal "so much of [the Pharmacy Act, 1852] as relates to the examination and certification of students, apprentices or assistants" and would thus clear the way for the introduction of any new scheme of, for example, registration of assistants by by-laws instead of by statute. The change is again good and desirable on the assumed opportunity of members to control their Council.

But what counterbalances the safeguards hitherto provided by the legislation or by the requirement to secure Privy Council approval? Members of the Society who have any anxieties on these scores have now only the ability to make their standpoint known to Members of the House before the Bill is debated on February 27—that is, assuming that time is left for debate, for it is understood that another matter precedes it on the order paper for that date.

## A Conflict of Interests

ONCE again the Pharmaceutical Society has shown itself an unsuccessful litigant. In a case that turned on the question whether the act of picking up an article in a self-service store completed the sale or whether a pharmacist had the power to say, at the cash desk, "This drug ought not to be sold to this customer," the verdict went against them and in favour of the authority of the individual pharmacist. If it is argued that the Council is doing a public service in obtaining a judicial decision on such important matters of principle, we would agree on the importance of the decision, but would question the appropriateness of the Society as prime mover. The Society must fight such actions to some extent without the drive necessary for success, since its object is not to defend or establish a principle vital to members so much as to secure a decision on which its Law Department may base future action. The fact that the Society is saddled with the responsibility of administering the Pharmacy Acts derives from the belief that the welfare of the profession depends on the Society, rather than any outside body, supervising the activities of its own members. In practice, that belief has resulted in an effective dichotomy



between the endeavour to act impartially in the public interest, and the natural desire of any organisation to champion the cause of its members. The Society has, in those conditions, tended to topple over backwards rather than be accused of showing bias.

The time has come, we think, to consider whether the administration of the Pharmacy Acts should not be handed over to a Pharmacy Board independent at once of the Society and Government of the day, but including adequate representation of pharmacists.

## Australia Lets in More Imports

THE announcement that the Australian Government is allowing imports into Australia to increase by £A50 millions a year (see p. 177) will come as a tonic to United Kingdom exporters. Details of how much extra each category or class of goods is to receive has not been made known at the time of going to press, and it is therefore difficult to estimate the amount of benefit which will be derived by the pharmaceutical and allied industries. The Prime Minister (Mr. Menzies)

said that the relaxations would "extend to most types of imports. It is only fair that this should be so," but he added that he and his colleagues had clearly in mind the impact which the flow of imports obviously had on the employment situation in Australia. Raw materials and equipment will, it seems, receive the most favourable consideration. Figures quoted below show the damage caused to United Kingdom exports of proprietary and other medicines by the import cuts. In 1952 (approximately nine months' reduced imports) the total value of proprietary medicines exported to Australia was £202,670 against £420,799 in 1951. Other medicines were valued at £1,644,379 (£2,575,576). To regain some of that lost ground must be the aim of the United Kingdom manufacturers and that their efforts will not be frustrated to the same extent as in the past ten months is indeed good news. [The Australian Minister of Trade has since released some details of the changes. They include the raising of imports of crude drugs from 60 to 100 per cent. of the base year.]

# Onward from Galen

## A CURRENT CAUSERIE

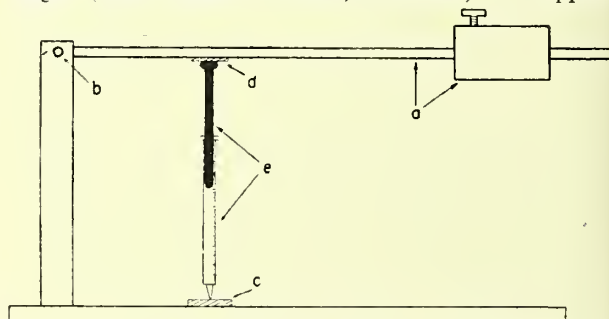
BRITISH pharmacists are sensitive to the honour done to them by Professor Edman in coming to Britain in the depth of winter to receive the medal that their Society was to bestow on him and, moreover, by studying English for six months specially so as to be able to address them in their own language. Those points were gracefully referred to by Dr. T. E. Wallis in proposing a vote of thanks to the lecturer, but many who were present must have asked themselves whether a more ceremonial presentation would not have been more fitting. Even the choice of a more pleasant room than the Society's lecture theatre would have helped to distinguish the occasion from an ordinary "Evening Meeting in London."

THE efficiency of small manufacturers was strongly defended by a speaker (Mr. S. R. Dennison) from Cambridge University at a three-day conference of executives of small Midland companies held at Leamington Spa recently. Over a wide range of industry, he said, the productive efficiency of small units was at least equal to, and in many cases better than that of the "industrial giants." About 92 per cent. of the businesses in the United Kingdom employed fewer than 250 people and were responsible for by far the greatest part of the total national production. The position in the United States was about the same. He castigated as a "Marxian fallacy" the belief that modern industry inevitably tended towards larger units. The threat to the small manufacturer arose not from lack of efficiency but from the drying up of traditional sources of risk- and working-capital. He stressed that high taxation made it impossible to finance expansion or even current operations out of profits.

A RECOMMENDATION recently made by the Portsmouth branch of the National Pharmaceutical Union (C. & D., February 14, p. 175) to discourage the sale of dentifrices containing chlorophyll until the status of chlorophyll is made clear receives support in statements recently made by American workers. Dr. A. H. Corwin (head of the department of chemistry at John Hopkins University, U.S.A.), for example, has reported to the American Chemical Society (according to the *Sunday Times*, February 15) that no claim made for chlorophyll was backed by any experimental evidence. He quoted an [American] National Bureau of Standards report that there was "no reason whatever to believe that chlorophyll ever has any-

thing to do with deodorisation." Stating that the whole question needs investigation, Dr. Corwin adds that it is fortunate that chlorophyll does not get into the blood stream for it would probably be toxic.

A PIECE of home-made apparatus that might well find a place in the armamentarium of pharmacists who provide a syringe service has been described by workers at the Tuberculosis Research Office, World Health Organisation, Copenhagen (*British Medical Journal*, 1953.1.368). The appara-



tus is designed for testing the leakage of syringes used in administering tuberculin or BCG vaccines, etc. It was devised after it had been found that the leakage rate of one out of every four new syringes was greater than was compatible with accurate work, and that many acceptable syringes showed signs of wear after being used for 1,000-1,500 intradermal injections. For testing, the syringe (e), in the diagram of the apparatus, is filled with distilled water, and placed vertically in the apparatus. The tip, with no needle attached, is pressed against the soft smooth rubber disc (c) of the apparatus, and the lever with a certain weight (a) is brought down upon the plunger. This lever, while holding the syringe steady, subjects the plunger and consequently the contents of the syringe to a constant pressure. The contents can escape only by leaking out between plunger and barrel, and the rate of decrease of the contents thus becomes a measure of the rate of leakage.

THE decision in the "self-service" case, to which reference is made in our leader column, has had a curious side-result, to which our contemporary the *Grocer* draws attention. It is the possibility that self-service stores may



find themselves unable to secure a conviction against a shoplifter. A contract of sale, in common with all other contracts, consists of an offer and an acceptance. It is established that the mere pricing of goods on display is not an offer of sale but an invitation to do business, and it is still legal for a shopkeeper to refuse to sell any article. The offer comes when the customer makes his request and tenders the money, and the contract is completed when the shopkeeper accepts. The customer usually becomes the owner of the goods before he has physical possession of them. Store customers lift the required article from the counter to attract the attention of an assistant. Under the

decision in the case referred to, a customer in a self-service store may be in lawful possession of quite an amount of property that does not yet belong to him. To constitute theft there must be an unlawful taking. The question whether or not a person is guilty of shoplifting depends on the intention at the moment of taking the article. In a self-service store the decision not to pay may be taken quite a while after. So not only might the actions of the thief give little indication of his real intention but it might be necessary but yet extremely difficult to relate the criminal intent to an action of taking the goods several minutes earlier. So argues the *Grocer*.

## CORRESPONDENCE

*Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.*

### CONTAINER COSTS

SIR,—If everyone taking a prescription to his chemist would bring along a clean medicine bottle, Britain would save £1 million a year. At present National Health Service patients lose roughly one half of the 100,000,000 handed to them each twelve months; and as householder, pharmacist and taxpayer, need I say how much I deplore the loss of the £1 million which this wastage means to all of us?

NOTTINGHAM

MARY A. BURR

### HORTICULTURAL BUSINESS

SIR,—I should like to thank you for your excellent Horticultural Number. Is it too late to halt the drift to other channels of "custom that rightly belongs to the chemist"? One of the large multiples appreciates the extent of the business that can be done in horticultural products, and makes no bones about advertising as the "gardener's chemist" in journals for gardeners, both amateur and professional. Often we see the retail pharmacist, himself a stockist of a wide range of fancy goods, complaining that others are making inroads into his trade in, say, toilet products. Yet he is often the man who ignores the trade he might be doing in horticultural chemicals.

PHYTOPHARMACIST

### PRESENTATION OF CALCIFEROL

SIR,—The results obtained by Messrs. Dent, Trotter & Whittet on the assimilation of calciferol from tablets are most interesting (*C. & D.*, February 14, p. 158). An obvious alternative to the use of tablets in this field is the rotary-die gelatin capsule, which not only obviates the use of any excipient other than vegetable oil but has also a greater accuracy of fill than a normal tablet. It is almost certain, too, that the gelatin capsule is a more stable method of presenting vitamin D than is the tablet, since oily solutions of calciferol are said to be stable for at least three years, whereas the solid substance is unstable in the presence of air (Huber, W., and Barlow, O. W. *J. Biol. Chem.*, 1943, **149**, 125). For these reasons I would suggest that, generally speaking, the rotary-die capsule has many advantages over the tablet for presenting vitamin D<sub>2</sub> and vitamin D<sub>3</sub>.

SLOUGH, BUCKS

J. CLEMOW, B.Sc., A.R.I.C.

### THE PHOENIX

SIR,—I note from your article "The Changing Face of the *C. & D.*" (Jan. 3, p. 8) that the question "Why the Phoenix? What does it stand for?" is still being asked, but it is admitted that it is not known why the proprietors adopted it. It is interesting to note that the same questions were being asked by chemists and druggists many years before the *C. & D.* began its career. It appears that this unique bird figured in signs over the shop fronts of chemists and druggists well over a century ago and some chemists who used the sign were not infrequently addressed as "the phoenix chemist." The question was put in a very early copy of the *Pharmaceutical Journal* (January 1846) where a correspondent gave the reason that it was probably adopted by chemists as a sign to indicate the purity of their preparations and as such it had been in use for a considerable time. Could it be, therefore, that the proprietors of the *C. & D.* adopted the sign to represent the finest

pharmaceutical paper in the same way as the chemists and druggists had already adopted the sign to indicate the finest quality drugs?

NOTTINGHAM

W. H. HOWARTH

### C. & D. POISONS GUIDE

SIR,—

FOR poisons you need to be sure  
To comply with the Rules, By our Guide  
All the trials you have to endure  
Are dispersed or at least simplified,  
And "Chapter and verse are provided."

If in doubt about Dangerous Drugs  
Or those slippery ones on prescription  
Just turn up the relevant page  
You'll get the most perfect description,  
And "Chapter and verse are provided."

Inspectors may come or may go;  
Your fears they are now set aside.  
Forty shillings (no costs, except postage)  
Is the price of this valuable Guide.  
And "Chapter and verse are provided."

L. G. M.

### PAYMENTS TO A COUNTRY CHEMIST

SIR,—In the earlier exchange of correspondence in your columns between Mr. H. R. Thurgar and myself, in regard to N.H.S. payments, I stated that I did not doubt his sincerity. His letter in your issue of February 14, is, however, clearly designed to imply that I have been guilty of suppressing available facts which would have supported his erroneous contention that he has been underpaid. Even if my letter in your issue of February 7 left any room for doubt (which I do not admit), I must make it clear that in a private letter to Mr. Thurgar dated January 30, I informed him that we had examined *all* the bundles of his prescriptions which had not been sent for salvage by the official Pricing Bureau. I also asked him to let me know if there was any additional information he required. I received no reply. In the same private letter I gave him fuller details of the differences which had been established (for each of the seven months for which we had examined prescriptions) between the fully-priced value and the value paid to him under the averaging system. I pointed out to him that where the differences were widest they had been caused by his mis-sorting "over 5s." prescription forms into the "under 5s." bundle. The fact that this mis-sorting had resulted in his being overpaid and that the other results of our investigation provided no evidence whatever that the averaging system had operated against him, may explain, but does not in my opinion excuse, his deliberate attempt still further to mislead your readers. Since, whatever Mr. Thurgar's rejoinder to this letter may be, I do not propose to enter into further correspondence on it, may I say that anyone is at liberty to prefer Mr. Thurgar's "facts" to those established in the Central Checking Bureau; but if they decide to do so I warn them to be chary of taking "facts" from a source which is apparently unable to distinguish between a period of sixteen months and one of seventeen months.

NATIONAL PHARMACEUTICAL UNION

LONDON, W.C.1

H. NOBLE, Secretary,



# N.H.S. DISPENSING IN RURAL AREAS

## A contractor analyses his returns

STR.—Like Mr. Thurgar (see *C. & D.*, February 14, p. 158) we have long been dissatisfied with most things concerning National Health Service remuneration. Consequently we too instituted a complete inquiry into costs and profits. A typical twelve months' dispensing was taken as a basis, and during that period 6,190 prescriptions had been dispensed. The complete payment for them was £1,117 1s. 5d. To make the picture quite clear we would point out that our shop, which is large by village standards, is devoted half to pharmacy and half to grocery, tobacco, frozen foods, etc. It is therefore even more difficult to assess costs of running N.H.S. than in a pharmacy pure and simple. We found it impossible to charge costs on a time basis, and eventually decided to work on percentage (N.H.S. payments compared with sales as a whole). The £1,117 was almost exactly 10 per cent. of our total turnover for the twelve months in question. Accordingly, in the following balance sheet, we have charged 1/10th of all running expenses, including the salary of unqualified staff, but excluding that of the pharmacist, he being the owner. When computing purchases for twelve months, we ignored all dressings, with the exception of elastic adhesive and crêpe bandages, elastic stockings and medicated tulle. We did that because more dressings are sold over the counter than dispensed and we felt unable to give a fair percentage figure for those items. However, we are in no doubt that the dressings (e.g., pounds of white lint) would amount to a substantial total and would thus make the net profit even lower. In addition, odd bottles of such things as glyc. thymol., liq. hyd. perox., syrup Minadex, Milk of Magnesia, malt and oil, etc., have been given out "on panel" but have not been included in the purchases.

### What the Figures Include

Included in the figure of £592 for purchases were, however, all containers, corks, etc. The deduction of tax was based on the owner's personal situation at that time.

The resulting figures were:—

	£	s.	d.		£	s.	d.
Difference in stock	53	1	11	Payment for drugs	776	13	1
Out-of-date vaccines, etc. ...	9	17	6	Containers ...	32	5	0
Twelve months' pur- chases, incl. P.T.	592	8	8	Dispensing fees ...	308	3	4
1/10th expenses* ...	132	2	6				
Two weeks' locum ...	40	0	0				
Income tax ...	58	15	0				
Net profit ...	230	15	10				
	£1,117	1	5		£1,117	1	5

\*Taken from auditor's balance sheet.

It will be seen from the above that the average dispensing fee works out at just under one shilling (according to the tariff it should be 1s. 1d.), and that the average net profit per script is under 9d.—a truly wonderful salary for handling Dangerous Drugs, etc.!

Again, the 25 per cent. oncost, according to our figures, should have been £161 7s. 8d., making the total that should have been paid for drugs £806 18s. 3d.—a dead loss of £30 5s. 2d. That is no doubt accounted for by the unfair system of pricing only 20 per cent. of the under 5 shillings cost, and averaging the remaining 80 per cent.

It will now be argued by supporters of N.H.S. that the wonderful net salary to the qualified owner of £4 8s. 9d. per week could be increased by dispensing more prescriptions. In fact, however, the reverse is the case. Say, for example, the dispensing were increased to 15,000 prescriptions per annum. That would mean that qualified staff would have to be engaged at, say, £15 per week (nobody

would come out here for less than that!) because the present owner would be unable to dispense that number as well as manage the entire business.

Supposing the average prescription price remained at the same level as in the twelve months of the example, the balance sheet would read as follows:—

	£		£
Cost of drugs ...	1,590	Payment for drugs and containers ...	1,960
1/10 expenses (excluding unqualified salary) ...	191	Dispensing fees ...	750
Pharmacist's salary ...	780		
Locum ...	40		
Profit to owner before tax deduction ...	109		
	£2,710		£2,710

That profit is equal to 7 per cent. on cost price, or 1½d. per prescription or, put in another way, less than the profit from selling a "20" packet of Players' cigarettes, for which no brains whatsoever are needed.

### Inferences from the Figures

The conclusions to be reached, therefore, are that:—

(1) We are providing free of charge to the Government a well fitted and stocked dispensary without allowance for wastages, breakages and wear and tear.

(2) Were it not for a very good counter trade we should be unable to afford to dispense for the Health Service.

(3) The remuneration, regarded as being for professional work, is an insult. Inquiries throughout a large number of trades and professions suggest that not one of them would accept a system of "averaging" such as we have to endure. In fact, everyone spoken to thought that pharmacists were mad ever to have accepted such an unfair system.

(4) The contractors' committee is either made up of people out of touch with retail pharmacy (certainly with rural pharmacy) or people who "give in" too easily. A new committee should be formed of strong men who will stand up for our rights and, for a change, tell the Ministry our terms.

(5) In addition to claiming an increase to the Scottish contractors' standard dispensing fees, restoration of the oncost to 33 per cent. (the figure we originally contracted for), and a return to 2½d. for container allowance should be demanded. All should be back-dated to the time when Bevan made the cuts.

R. G. PARSONS, *managing director*,

GREAT MISSENDEN

R. G. PARSONS, LTD.

### L.S.D. EX N.H.S.

#### PAYMENT for services rendered

To staff is at intervals tendered

The junior staff hebdomada

(If you don't you will soon damp their ardour!)

The qualified people per mensem

(When you get scripts you've got to dispense 'em)

But when it comes to the contractor

The pricing delay is a factor

And the thing that is most irritating

Is not so much that you're kept waiting

But that money received in the meantime

(Without which we'd all have a lean time)

However long after it's due

Is called "ADVANCE PAYMENT"—to you!

J. J. H.

["Advance payment" is a colloquial, not an official title.—EDITOR.]



# An imaginary example shows what to consider in REMODELLING A PHARMACY

BY JAMES GRIMM

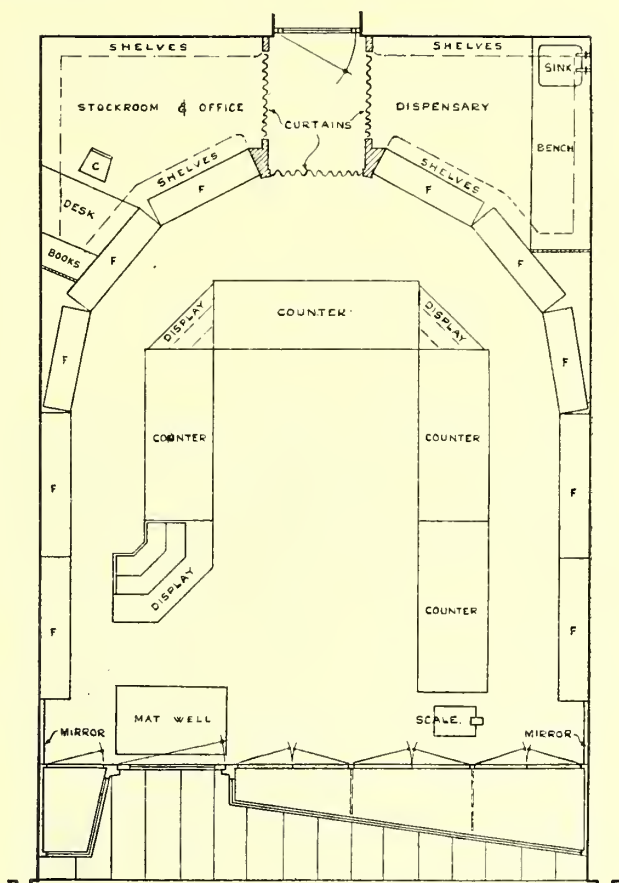
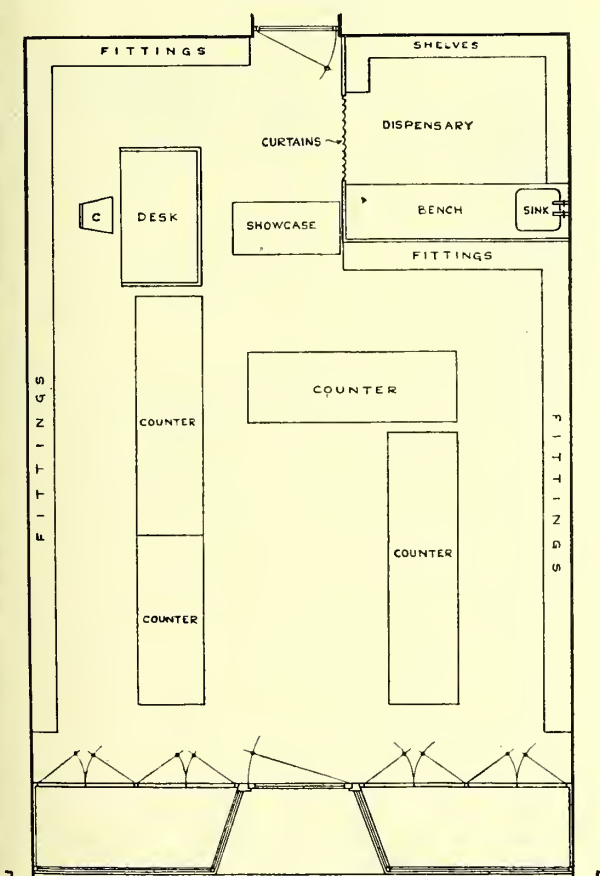
## 2. The Interior

IN the first article in this series (*C. & D.*, January 31, p. 106) the subject dealt with was the shopfront. The interior next falls to be considered. As with the shopfront, two illustrations are given, one showing the existing interior layout and the other the proposed arrangement.

The shop is not large. As will be seen by the "existing" plan, the width is 16 ft. 0 in. and the length from window enclosure line to rear wall is 22 ft. 0 in. There are two doors: the shop entrance and a door at the rear. Most chemists will concede that the existing layout lacks imagination. All the essentials are there, but they are badly arranged. A dispensary is squarely positioned in one corner. There is a desk for the necessary clerical work, but while it is at the rear of the shop it does not give the privacy and accommodation that are desirable.

The chemist tenant has been concerned to conceal the rear door, but to mask it he has positioned a showcase so as to create a bottle-neck between his dispensary and his counter service. The counters, too, are badly placed. If the chemist is behind the right-hand counter and a customer asks for an article from the fittings on the left-hand wall, he must either cross the customers' area or go past the showcase and around the desk. Approximately 25 per cent. of the counter selling frontage is lost owing to poor positioning, and the counter display is thus robbed of its full efficiency.

EXISTING



PROPOSED

The proposed layout shows ways of overcoming some of these difficulties. The front entrance door is placed nearer the left-hand wall, in accordance with the new shopfront plan, and the rear door remains in its original position. The depth, back to front, namely, from window enclosure to rear wall, is now 21 ft. 3 in., the new shopfront lobby being 9 in. deeper than the old.

To give the plan form and interest, the stock fittings have been swept back in a half circle, a centre opening concealing the rear door with a curtain. A small lobby area is formed, with curtained openings leading off left and right into the office-cum-stockroom and the dispensary. In the office, adequate desk space is available, with bookshelves ready to hand, and the chemist now has comparative privacy in which to carry out his clerical work or to interview travellers. The dispensary on the right is equally convenient, and access between dispensary and shop is direct and unobstructed.

In the shop itself all the stock fittings are in equal view of customer and chemist, and the latter has ready access to all fittings with minimum walking. The entire length of each counter is utilised for service and display, while additional above-counter display has been introduced at two corners. At the entrance an individual display stand has been positioned to carry special items. Two full-length wall mirrors give visual width to the shop and add interest for the lady customers. There is sufficient room for a scale or weighing machine if desired.



## Pharmaceutical Society honours a pioneer in the use of DRUG ASH "PICTURES"

AT an evening meeting of the Pharmaceutical Society held at the house of the Society, 17 Bloomsbury Square, London, W.C.1, on February 9, Professor Gösta Edman (Royal Pharmaceutical Institute, Stockholm, Sweden) (see also p. 183) was presented by Mr. W. J. Tristram (president of the Society) with the Hanbury Memorial gold medal of the Society for "high excellence in the prosecution or promotion of original research in the natural history and chemistry of drugs."

After the ceremony PROFESSOR EDMAN gave an address on his researches. It was entitled "Ash Pictures in the Identification and Assay of Vegetable Drugs." The following is an abstract:—

In 1919 Dr. T. E. Wallis, London, worked out a method which makes possible a quantitative analysis of mixtures of powdered crude drugs by mixing the sample with known proportions of lycopodium spores. Twelve years later I



Ash pictures of two different senna leaflets showing prisms (left) and clusters in meshes formed by veinlets (right).

worked out the same process in ignorance of Wallis's work. I remarked that glass powder as an auxiliary substance could complicate an analysis of powder containing sandy and earthy impurities and that I had earlier found certain spores which were silicified and which might be applicable to a particular kind of quantitative analysis of powder mixtures. I found the walls of the spores from the fern *Lygodium japonicum* very much silicified and even after incineration and treating the ash with dilute hydrochloric acid on a slide they appeared, when viewed with a microscope, like small balloons. This silicification should make it possible to use the *Lygodium* spores for quantitative analysis.

The first person who recognised the possibilities of incineration of plant materials was the Austrian botanist Hans Molisch. In a paper of 1920 he stresses that the ash is very often not completely without structure when seen with a microscope and may even show characteristic pictures. Such a structure may be caused by inorganic incrustations of the walls of the characteristically formed tissues and characteristically formed bodies of the cell content.

The reasons for using the incineration method are many. Perhaps the most important is that we may have to analyse a plant material which has been damaged beyond normal

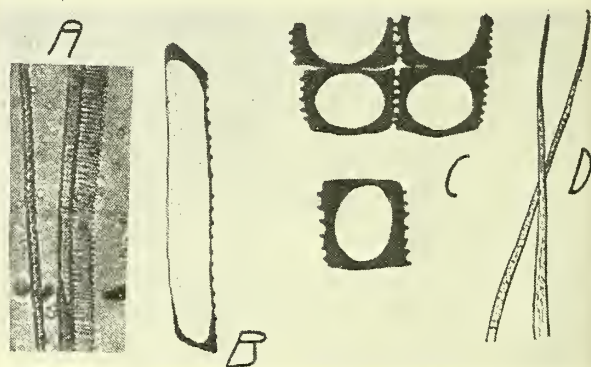
microscopical recognition. Many prehistoric finds have been recognised in such a way. For example, burial finds containing residues of grains of cereals were easily recognised by the silicifications of their husks, and as a particular example it can be mentioned how the intestines of a 4,000-5,000 years old Egyptian mummy were found to contain not only grains of cereals and fruit of a *Cyperus* species but also a medicinal herb, *Trichodesma africanum*, identified by its silicified cells. Plant skeletons embedded in a 5,000-years-old Chinese claysheerd enabled me to identify the original plant as rice *Oryza sativa*.

Another reason is to eliminate all organic substances from the plant material and thus permit a better investigation. Molisch termed an ash picture a spodogram, deriving this term from the Greek word *spodos*, that means ash.

In the summer of 1922 I was working with Molisch and was then stimulated by him to investigate the incineration method for pharmacognostical purposes. The incineration is made in a shallow porcelain dish or upon a piece of mica or platinum, etc. Periods of heating alternate with periods of cooling and precautions are taken to protect the ash skeleton from breaking in more pieces than necessary. The specimen is mounted in aniline or liquified phenol.

An ash skeleton consists mainly of oxides and carbonates—especially calcium carbonate—which are soluble in dilute hydrochloric acid, and of silica compounds which are insoluble in the acid. Hence, the ash pictures are divided into two sorts: carbonate pictures and silica pictures. Silicification in most cases is found in cell walls.

Ash picture examinations allowed Surinam quassia wood to be distinguished from Jamaica quassia wood (from



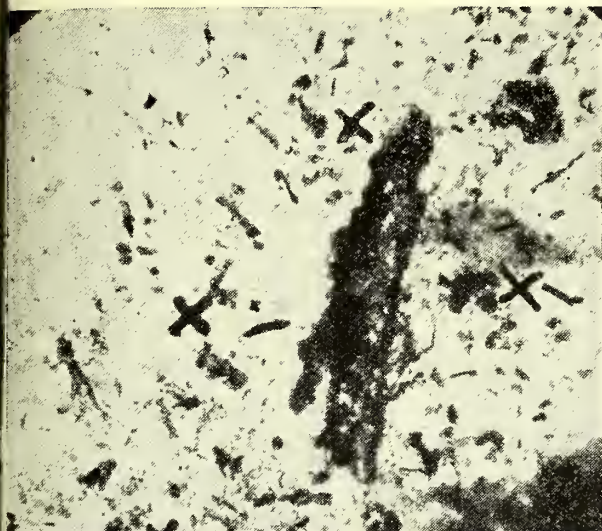
Drawings of non-incinerated wood, with silicified parts shown black.

*Picrasma excelsa*). The presence of silicification in the inner part of the plant—particularly in the wood—led me to investigate different parts of the plant at different stages of development. I found the highest degree of silicification in the fully developed leaves. The ash from powdered cardamom seeds consists almost entirely of the silica bodies which had been enclosed in the sclerified cells of the inner epidermis of the seed testa.

In the carbonate ash picture of Jamaica wood, crystals dominate. They are arranged in rows and the rows lie very closely together. The skeleton of Surinam wood (mentioned above), however, contains no crystals.

The ash picture procedure can be used to show if chopped Surinam quassia has been mixed with chopped Jamaica wood. It may well be called an approximately quantitative method. A case where incineration might prove of value in quantitative determination is the determination of carda-





A carbonate ash picture of Jamaica quassia wood showing abundance of crystals.

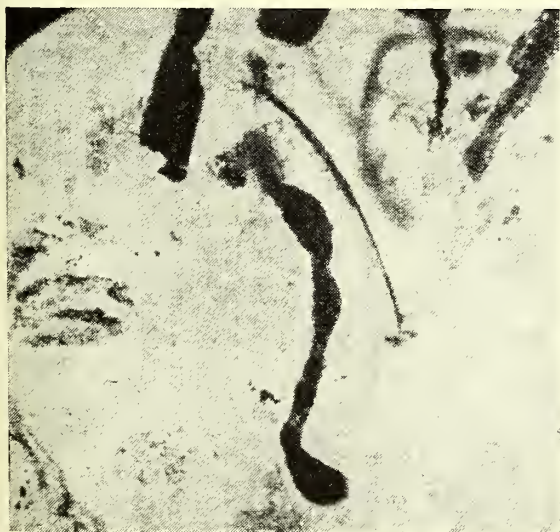
mom seeds in a mixture containing fragments from the fruit wall. Silica bodies from seed walls would be seen. A known quantity of silicified spores would be mixed with the specimen. *Lygodium* spores are not the only ones which could be used for such analyses.

Another field where I have been able to use the incineration method is in criminal investigation (particularly in arson cases) where materials are obtained.

Leaving pure pharmaceutical problems I discovered that silicification was found specially in those genera which are regarded as rather primitive. It appears that ash pictures can be used not only for analytical purposes but also to solve more theoretical problems in botany.

Another theoretical problem which also arose during my studies on *Quassia amara* concerns vessels plugged with wad-like fibrous material. It is not possible to see how this condition comes about, but a possible explanation is that a siliceous solution has been pressed from the adjacent cells through the pores into the vessel and then taken the form of filaments which have flocked together at the diaphragm of the vessel. Alternatively, the fibrous condition of the plugs may be a manifestation of a change in the siliceous solution from the sol- to the gel-condition.

MR. W. J. TRISTRAM called upon DR. T. E. WALLIS, himself a Hanbury medallist, to propose a vote of thanks to



An ash picture of Surinam quassia wood showing absence of crystals.

Professor Edman. The proposer paid tribute to Professor Edman for drawing attention to an "almost entirely neglected technique," and thanked him for such a clear exposition and for speaking in English. The lecture would encourage the study of botany and pharmacognosy. Many would think that Professor Edman had described a revolutionary tool for the technique was applicable not only to pharmacognosy but to taxonomy and other botanical problems. Dr. R. B. S. Sewell, F.R.S. (president of the Linnean Society) drew attention to the fact that Daniel Hanbury was himself a fellow of the Linnean Society and for a time acted as its treasurer. He was impressed with the exacting nature of the work described by Professor Edman.

## NEW BOOKS

### Last Enemy? The Story of the Virus

J. GORDON COOK, *Merrow Publishing Co., Ltd.*, 23 Gang-hill, Guildford, Surrey. 7½ x 4½ in. Pp. 64. 2s.

THIRD of a series called "Spotlight on Science," this short book gives a popular if simplified account of viruses. The book makes easy reading on such subjects as smallpox, yellow fever, influenza, infantile paralysis, the common cold, herpes simplex, animal diseases, such as foot and mouth disease, psittacosis (which can also infect man) and fowl pest, as well as on plant diseases such as swollen shoot and tobacco mosaic.

### Scale of Railway Standard Charges

*The Railway & Shipping Publishing Co., Ltd.*, 12 Cherry Street, Birmingham. 2. 10½ x 8½ in. Pp. 30. 15s.

THE new edition of Railway Standard Charges is based on the latest increases in rates (December 1, 1952). The publication contains the present-day railway standard charges for all classes (1 to 21), at mileages from six to 750. In addition to the station to station rates for classes 1 to 21 the collected and/or delivered rates for classes 11 to 20 are also shown. With the use of the book charges may be obtained at a glance without calculation.

### Condensed Review of Pharmacy

GEORGE W. FIERO, PHAR.D., PH.D. *Chapman & Hall, Ltd.*, 37 Essex Street, London, W.C.2. 9 x 6 in. Pp. 119. 26s.

THE author's intention is to provide a complete condensed compendium on the drugs, chemicals and preparations of the United States Pharmacopoeia and the [U.S.] National Formulary for handy reference by pharmaceutical students, pharmacists, doctors or nurses. Most of the information is given in tables for ease of reference. It should be useful to research workers and others who need to know United States requirements. The book contains certain information applicable in any country.

### Formulary of Perfumery and of Cosmetology

Translated by "A.R.I.C." from the original French edition of *Formulaire de Parfumerie et de Cosmetologie* by R.-M. GATTEFOSSÉ. *Leonard Hill, Ltd.*, 9 Eden Street, London, N.W.1. 8½ x 5½ in. Pp. 252. 17s. 6d.

THE distinctive contribution of the late R.-M. Gattefossé to the pre-eminence of the pre-eminence of the French perfumery and cosmetic industries is well known to old readers of the *C. & D.*, which reviewed his books and published articles from his pen. The translation appears to have been competently done yet inevitably to lose some of the distinctive flavour of the author's style, in which he seems to be feeling his way towards an integration of chemistry and art. The book indicates how to handle odorant materials, but disclaims anything more. "If the compounder has talent and has acquired the technique of the art, then he will become an artist. When he has prepared a formula on the lines indicated in one of the subsequent chapters, and when he has memorised and classified the odours of various ingredients, he will be able to assess the smell of a composition and to relate it to his ideal." That briefly expresses Gattefossé's outlook, and he proceeds to relate it to synthetic perfumes (about fifty pages); alcoholic perfumes (over 100 pages) and, in a "formulary of cosmetology," to beauty creams, rouges, lotions, dentifrices, hair products and nail preparations.



# ESSENTIALS OF TREATMENT

A C. & D. "post graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

BY A MEDICAL MAN

## 7. ASTHMA

**S**ELDOM can a day pass in any pharmacy without at least one asthmatic patient calling for a prescription to be dispensed. Asthma is essentially a spasm of the bronchial muscles, which makes respiration difficult, the difficulty being largely associated with expiration.

When the immediate cause of the dyspnoea is known, it is natural to wonder why there should be so many different remedies prescribed. The explanation is to be found in the variety of exciting causes, and here it is right to emphasise that few patients ever "grow out" of their asthma. The majority tend to become chronic asthmatics. Once that final stage has been reached there is often a multiple rather than a single aetiology to the recurrent attacks. Consideration of the aetiology is of paramount importance in the treatment of all asthmatics, and for that reason, if for no other, it is most important that the asthmatic should not indulge in self-medication without consulting medical advice. Self-medication almost always involves self-diagnosis, and when it is realised that in almost every case of asthma there is a psychiatric background, it is evident that the patient cannot best define the cause of his trouble.

### Mixed Aetiology

Not infrequently the asthmatic is a highly strung and intelligent person, in whom certain emotional strains cause an excessive stimulation of the bronchial muscles. In other cases the psychological upset is provided by a distaste for something or other, and here one may quote the example of the household cat. How often is the cat blamed on the grounds that the patient is allergic to the fur of the cat? But how often, in actual fact, does the patient fear or dislike cats? It would be all too simple to explain those cases in terms of allergy, and to initiate courses of injections to desensitise the patient against cat's fur, when the proper course is to help him to overcome the dislike of cats. Injections in such cases cannot influence the condition, but the alternative course just recommended will provide a cure. A careful clinical history is therefore the first essential of treatment, and in early cases a single aetiology often exists. As time passes, however, the aetiology tends to become mixed, and new stimuli become superimposed on the original until a situation arises whereby any of a multitude of stimuli may initiate an attack, either alone or in combination.

Psychological and allergic causes have already been mentioned, but to these must be added common conditions such as upper respiratory infections, nasal obstructions (e.g. polypi), sinusitis, bronchitis, emphysema and bronchiectasis. It is believed that in certain cases subject to recurrent upper respiratory infections, a sensitivity to the invading micro-organisms develops. Assuming that to be correct, one can imagine an emotional upset causing asthmatic attacks in a young adult or child and the patient subsequently developing an allergy to the causal micro-organisms of the frequent upper respiratory infections from which he suffers. Each infection then becomes associated with asthmatic attacks, and ultimately the patient suffers from chronic bronchitis and emphysema, with recurrent asthmatic attacks. The patient thus passes from an occasional acute asthmatic to a chronic asthmatic and bronchi-

tic, unable to enjoy life fully, and frequently sufficiently incapacitated to be unable to earn his own living. That last condition adds one more psychological factor to a case that commenced as an acute condition easily curable in the early stages provided that the initial psychological background had been determined and explained to the patient. Furthermore, a patient suffering from chronic bronchitis and emphysema is less able to withstand the normal respiratory infections, which everyone meets from time to time, so that his prognosis, so far as life is concerned, is not so good as it might have been. In asthma, therefore, it is more than ever important to determine the exciting cause at as early a stage as possible.

### Treatment

Treatment of asthma can be considered under two convenient headings: 1, Treatment of the acute attack; 2, treatment of the chronic asthmatic.

To overcome the acute spasm, the sympathetic nervous system is stimulated. Stimulation is normally provided by an injection of adrenaline given subcutaneously in doses of 0.1 to 0.5 mils. Many patients are taught to give their own injections, and are thus able to cut short an attack in its earliest stages. Oral therapy with ephedrine or similar substances is usually too slow in taking effect to be of much value in an acute attack. Isoprenaline taken sublingually is sometimes effective. If adrenaline is given too frequently, many patients develop a resistance to it, and consequently require a larger dose to overcome an attack. That situation can be remedied to a certain extent by injecting 0.5 mil of a mixture of equal parts of solution of adrenaline tartrate and extract of the posterior lobe of the pituitary. If it is impossible to stop an attack with adrenaline, aminophylline (0.24 to 0.48 gm. in 10 mils of water) given intravenously and slowly is usually most effective. Some patients develop what is known as "*Status asthmaticus*," in which there are successive attacks, one immediately following upon another. Treatment consists of giving injections of adrenaline, 0.5 mil, followed by 1 to 2 minims every minute until relief has been obtained, or alternatively, aminophylline as above. It is a wise precaution to give a further injection of adrenaline or aminophylline an hour or so after the attacks have ceased in order to prevent a relapse. Where necessary, oxygen should be always available and never withheld when the patient shows signs of cyanosis.

Treatment of the chronic asthmatic was discussed when aetiology was considered. Having determined the aetiology, the exciting cause must be removed by psychotherapy where there is a psychological background; by desensitisation where allergy has been proven. One must not place too great an emphasis on the skin tests, which are made to determine the existence of an allergy. It is more than likely that many patients will give a positive skin reaction to many substances without their being the cause of the asthmatic attacks. Where nasal obstructions such as polypi exist they should be removed by surgery. Sinusitis can be treated medically or surgically as the condition demands.

Some patients claim to experience relief from inhaling the smoke derived from the various asthma powders that



are available commercially. Such powders are not used by physicians so much as formerly, and it must never be forgotten that smoke fumes of any sort are liable to set up bronchitis. Many inhalants are now available for administration by means of an atomiser. Those solutions are valuable, and there is no doubt of their effectiveness in warding off an impending attack. The majority of them contain adrenaline, however, and their indiscriminate use is liable to produce a resistance to adrenaline. That renders their further use less effective, and makes more difficult the task of relieving by adrenaline injections the inevitable acute attacks. Once the patient has developed bronchitis and emphysema, those conditions have to be treated along the lines described in previous articles. Ephedrine hydro-

chloride, gr.  $\frac{1}{2}$ , and antispasmodics such as tincture of stramonium and ethereal tincture of lobelia can usefully be added to the bronchitis mixtures in doses appropriate to the severity of the affliction.

In addition to the drug treatment already described, general measures have to be taken to see that the patient is safeguarded so far as possible against upper respiratory infections, smoky and dusty atmospheres, and contact with known stimuli. The morale of the patient is most important, and he must be treated sympathetically and not allowed to regard himself as a nuisance to humanity and a burden to himself. Sympathetic treatment need not and must not, however, induce a feeling of self-pity in the patient, which is equally as bad for him as a low morale.

## *A Chartered Accountant gives answers to* **ANY BUSINESS QUESTIONS?**

*In arriving at the value of the stock at the end of the financial year, the cost of containers has been excluded. Is this correct?*

GENERALLY speaking, items purchased for resale should be included with stock-in-trade. Containers (which should be distinguished from shop-rounds) used in dispensing, etc., may be considered as consumable stock, and charges made thereon included with takings. In the event of their return and a deposit being refunded, takings are adjusted accordingly. Chargeable containers returned to suppliers are deducted from the cost of purchases. If that method is adopted, containers in hand are included as part of the stock, whenever taken. Shop-rounds are in a different category. Their initial cost is a capital charge.

*My first year of trading will shortly be completed. Is it necessary to arrange for accounts to be prepared for the precise first twelve months of business?*

ACCOUNTS may be drawn up for less or more than a year according to the convenience and advantage of the proprietor(s). To do so may, however, give rise to taxation complications and the position must be considered as a whole. Furthermore, the first year's results usually form the basis of the first three business assessments, and it may be of advantage to keep the figure as low as possible. If profits are rising, the extension of the first period beyond a year may increase the first assessment, etc., which is arrived at by fractional apportionment.

*In our partnership agreement, under which the sole survivor succeeds to the business, no provision has been made for any goodwill payment. Does a liability exist for goodwill? If so, is some arrangement for that contingency now possible?*

EACH partner has an interest in the goodwill of the partnership, and unless there is evidence of such interest not passing, the deceased's estate is not precluded from claiming it. The partners may, of course, agree to extend or modify their agreement at any time. A life assurance policy may be taken out on the joint lives of the partners. A cash sum could then be made available for repayment of the deceased partner's share, including his share of goodwill. The valuation of the goodwill, or the manner of arriving thereat, should be plainly indicated.

*This business is conducted as a private company and the directors have under consideration the issue of further shares. The authorised capital mentioned in the memorandum of association does not refer to preference shares. Would their issue be legally permissible, and how may objections of the ordinary shareholders be met?*

AN issue of preference shares in the circumstances you describe would be an increase of capital. If the memorandum of association does not prohibit it, the company has power to increase its capital and to issue new classes of shares. A general meeting of the company must be called and a resolution in the form required by the articles of association for the increase must be passed. Objections will thus be covered by the passing of such a resolution. The

directors are then in a position to issue the shares subject to any provisions laid down by the articles. Care must be taken not to contravene the conditions governing private companies which must by their articles prohibit any invitation to the public to subscribe for their shares or debentures. The rights attaching to the new issue should be clearly stated, especially with regard to voting, priority of capital repayment, whether dividends are cumulative if unpaid in any year. Filing with the registrar and the other necessary legal formalities in connection with an increase of capital must be observed.

*Your reply to an earlier question on the subject of interest on partner's capital makes no reference to the amount of such interest that may be charged. Is the amount a statutory percentage or may any reasonable interest be charged?*

WHETHER and what amount of interest is payable on capital is in the first instance a matter of agreement between the parties. In the absence of any agreement for provision of interest on capital, a partner would not be entitled to receive interest on the capital contributed by him, but a partner making, for the purpose of the partnership, any actual payment or advance beyond the amount of capital which he has agreed to subscribe is entitled to interest at the rate of 5 per cent. per annum from the date of the payment or advance. That is provided for under the Partnership Act, 1890. The rate of interest may be different if it can be so inferred from the conduct of the partners or the custom of the particular trade. If an agreement has been entered into which does not allow for interest on capital, it can be altered by mutual consent, without which no partner is in a position to enforce payment of such interest.

*You stated in a previous reply that "company constitution permits control, gradual or otherwise, to be passed on to partner's heirs. My estate will probably attract at my death a sum in death duties difficult to find without selling the business or other properties. Is there any way in which I can keep control of my business and properties during my lifetime and yet for them to pass at my death to my wife and children without being aggregated for death duties?"*

LEGISLATION has drawn a tight net round devices designed to mitigate the burden of estate duty, particularly in connection with a transfer of businesses in the lifetime of the proprietor, though it is still possible (e.g., by out-and-out gift of property) to achieve that purpose. Great care must, however, be taken in this matter. On no account should any transaction be entered into before obtaining proper professional advice, which takes into consideration all the circumstances of the particular case. It should be generally noted that a disposition operating as a gift made within five years before the death of the donor is liable as a rule to estate duty on his death. Moreover, to obtain the benefit of exemption the donor must have been excluded from the entire enjoyment of the property during those five years. Reasonable remuneration for services rendered may be taken out of the category of such enjoyment.



## TRADE REPORT

**Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.**

LONDON, FEBRUARY 18: Several important price changes, mainly reductions, occurred in the PHARMACEUTICAL and FINE CHEMICALS market during the week. CAFFEINE and THEOBROMINE, which in 1952 fell in price no less than six times, were reduced for the first time since November 1952.

CAFFEINE ALKALOID in 1-cwt. lots was lowered by 2s. per lb. Smaller lots are accorded a more liberal discount, for whereas the premium paid for a 7-lb. parcel was 2s. per lb. over the 1-cwt. rate, it is now only ninepence. THEOBROMINE ALKALOID is down by 2s. 6d. per lb. in 1-cwt. lots, and here again there is only ninepence per lb. difference between the 7-lb. and the 1-cwt. rates. The manufacturers of CITRATES have lowered their schedules, taking into account the lower cost of CITRIC ACID announced recently. POTASSIUM CITRATE for instance is twopence per lb. cheaper. The manufacturers could hardly have foreseen a sudden rise in the cost of the acid (by 20s. per cwt.) announced just after the decision was taken to lower the salts. It is understood that the new citrate prices will continue in spite of that rise, at any rate for some time. The higher price for citric acid appears to point to a truce having been established in the price war between the Belgian and British manufacturers. At the present rate, citric acid is 8s. per cwt. lower than at the beginning of the year. TARTARIC ACID was reduced by a further 10s. per cwt. on February 16. ZINC OXIDE was reduced by £5 per ton on February 13; the last previous change was about a month ago. It is understood that the reduction was made to enable Britain to compete more favourably with certain countries—particularly Belgium and Japan—in overseas markets. Japan has recently ousted Great Britain in the Egyptian market, though there may be other reasons than price for that change. IODIDES and IODINE RESUBLIMED were reduced on February 13, and at the same time the price of IODOFORM was raised by 5s. per lb. 1-cwt. lots of POTASSIUM IODIDE are ninepence per lb. lower, and resublimed iodine 1s. 11d.

### Demand for Ipecacuanha

There was little call for most of the commodities in the CRUDE DRUGS market. IPECACUANHA, however, proved an exception, and stocks in London have largely disappeared. Offers are also difficult to obtain from source. A certain amount of business has been done in ERGOT, and the shipment prices are sixpence per lb. higher than for spot material. Generally speaking SPICES showed a firmer tendency. Sierra Leone and Mombasa CHILLIES were advanced by 20s. and 10s. per cwt. respectively for material on the spot. CLOVES held firm at the previous week's high level and Middle-East orders for GINGER pushed the prices for African up by 7s. 6d. per cwt. Jamaican, No. 3, at 110s. showed an advance of 5s. on the week whilst white Sarawak PEPPER was also advanced by threepence per lb. to 11s. AROMATIC SEEDS were mainly quiet, no interest being shown in CELERY or CUMIN. FENNEL supplies are

depleted on the spot and prices are firm. SENNA LEAVES and PODS are steady at previous levels. Senna shipments from the port of Tuticorin during January were as follows:

	ENGLAND	U.S.	EUROPE
	Bales	Bales	Bales
LEAVES ..	56		154
PODS ..	106	29	61

The 1952-53 CARNAUBA WAX crop in Brazil is now estimated by local Brazilian trade sources at around 12,350 short tons, about the same as last season, according to the American Consulate at Fortaleza. The market is at present firm but with quotations f.o.b. Fortaleza still somewhat lower than the floor prices established by the Brazilian Government in May 1952 in its financing and purchasing programme. The programme has resulted in very large quantities of wax being withdrawn from the export market. According to the report, the big question still is the effect on the market in the future when an effort is made to liquidate these holdings.

In ESSENTIAL OILS, LEMONGRASS is firmer, whilst other oils are at previous levels.

### UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, FEBRUARY 17: MERCURY was quoted \$3 lower at \$205-207 nominal, per flask, delivered. Lead-free ZINC OXIDE is now 14 cents per lb., down one-quarter cent. The advance in Brazilian MENTHOL was extended, with the material currently quoted at \$5.35 per lb., up 20 cents. The IODIDES are in fair demand, and the trade is anticipating seasonal gains in demand for CAMPHOR and NAPHTHALENE. More competitive markets brought the BALSAMS to lower levels, with PERU BALSAM now \$1.30 per lb., down 10 cents, and TOLU BALSAM \$2.85, down 5 cents. Higher per lb. are Portuguese ERGOT at \$2.80 (up 10 cents); IPECACUANHA (whole) at \$5.35 (10 cents); Ceylon PAPAIN, \$4.90 (15 cents); African PAPAIN, \$5.85 (35 cents); and Bourbon VANILLA BEANS, \$4.25 (25 cents). LEMONGRASS OIL at \$1.10 is up 10 cents per lb., and Dalmatian SAGE OIL at \$6.75 is down 25 cents.

### Pharmaceutical Chemicals

AMIDOL.—In 14-lb. lots the price is 19s. per lb.; 7-lb., 19s. 6d.

AMMONIUM CARBONATE.—B.P. lump is £71 5s. per ton.; POWDER, £74 5s. BICARBONATE is £47 15s. per ton, all delivered free United Kingdom in non-returnable packages.

ASCORBIC ACID.—For pharmaceutical manufacturing use in the United Kingdom the rates (per kilo) are as follows:—1

kilo, £9 12s. 6d.; 10 kilo, £9 6s.; 100 kilo, £9.

BARBITONE.—Rates per lb. for 1-cwt. lots is 24s. The SODIUM derivative is 1s. per lb. more than the base.

BARIUM SULPHATE.—1-cwt. lots of B.P. (x-ray) are 1s. 5d. per lb. and 5-cwt., 1s. 4d. per lb.

CAFFEINE.—Lower. Rates (per lb.) are now as follows:—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
ALKALOID, B.P. ..	20 0	20 3	20 9
ALKALOID ANHYDROUS ..	21 0	21 3	21 9
CITRATE, B.P.C. ..	12 6	12 9	13 3
and SODIUM BENZOATE, B.P. ..	14 6	14 9	15 3
and SODIUM SALICYLATE, B.P.C. ..	15 6	15 9	16 3
SODIUM IODIDE ..	26 0	26 3	26 9

Lower quotations for 5-cwt. lots.

CITRATES.—Lower. Rates (per lb.) are now as follows:—POTASSIUM, 1-cwt. lots, 3s. 11½d.; 28-lb., 4s. 11d. SODIUM, 1-cwt., 3s. 4½d.; 28-lb., 4s. 3d. (powder of both salts one penny more). CALCIUM, 1-cwt., 4s. per lb. IRON and AMMONIUM, granulated, 1-cwt., 4s. 3½d.; 28-lb., 5s. 4d. (Scales are fourpence per lb. more).

CITRIC ACID.—Higher. British makers now quote 205s. per cwt. for 1-4-cwt. lots and 200s. per cwt. for 5-cwt.

EPHEDRINE.—In 100-oz. lots ALKALOID is 12s. per oz.; HYDROCHLORIDE, 4s. 7d.; SULPHATE, 8s. 6d.

FORMALDEHYDE.—B.P. solution is 34s. per cwt.

IODIDES.—Rates (per lb.) for POTASSIUM are as follows:—1-cwt., 17s. 4d.; 28-lb., 17s. 10d.; 7-lb., 21s. 3d. SODIUM IODIDE is: 1-cwt., 18s. 10d.; 28-lb., 19s. 4d.; 7-lb., 23s.

IODINE PREPARATIONS.—Rates (per lb.) are as follows:—RESUBLIMED IODINE, B.P., 1-cwt., 19s. 4d.; 28-lb., 19s. 10d.; 7-lb., 23s. 6d. IODOFORM POWDER, B.P., 1-cwt., 30s. 4d.; 28-lb., 30s. 10d.; 7-lb., 36s. 2d. (CRYSTAL, 2s. 8d. per lb. more than powder).

MAGNESIUM OXIDE, B.P.—Bulk rates are as follows:—LIGHT, 3s. 3d. per lb. and HEAVY, 5s. 4d. per lb. for minimum 1-ton lots.

NICOTINAMIDE.—Prices per kilo are: 1 kilo, 132s.; 50 kilos, 115s.

NICOTINIC ACID.—Prices per kilo range from 85s. 9d. to 97s. as to quantity.

NIKETHAMIDE.—Prices per kilo are: 1 kilo, 121s.; 50 kilos, 105s.

SALOL, B.P.C.—Current quotations for quantities of 1 cwt. are 9s. to 10s. 6d. per lb., according to pack: 28-lb., 10s. 6d.; 14-lb., 13s. 0½d.; 7-lb., 16s. 1d.

SODIUM THIOSULPHATE.—Makers' price for 1-ton lots in paper-lined bags is £33 2s. 6d. per ton; 1-cwt. is £2 1s. 8d.

TARTARIC ACID.—Reduced. Rates for the home trade are now as follows:—10-cwt. lots, 210s. per cwt.; 5-9-cwt., 212s.; 2-4-cwt., 214s.; 1-cwt., 215s.

THEOBROMINE.—Lower. Prices are as follows:—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
ALKALOID, B.P.C. ..	22 6	22 9	23 3
and CALCIUM SALICYLATE ..	18 6	18 9	19 3
and SODIUM BENZOATE ..	18 3	18 6	19 0
and SODIUM SALICYLATE, B.P. ..	15 6	15 9	16 3

Lower quotations for 5-cwt. lots

ZINC OXIDE.—Lower. Rates per ton for B.P. quality are now as follows:—2-ton lots, £125; 1-ton, £126; 5-cwt., £128; less than 3-cwt., £131.



## Crude Drugs

**ACONITE.**—Spanish *napellus* is 3s. 6d. per lb., duty paid, ex wharf.

**AGAR.**—Kobé No. 1 on the spot is now about 15s. per lb.; 9s. 9d., c.i.f., buyer's licence.

**ALOE.**—Prime Cape is unchanged forward at about 157s. 6d. per cwt., c.i.f., spot is offered at 172s. 6d. Curaçao is 150s. per cwt., landed terms.

**BALSAMS.**—*Canada*: Spot is about 27s. per lb. for clear bright, paper - filtered. *Copaiba*: Para, spot is 15s. to 15s. 6d. per lb., duty paid. *Peru* is in limited supply at from 11s. to 11s. 6d. per lb., duty paid. *Tolu* (genuine as imported) on the spot is 20s. 6d. per lb., in original cases and for shipment, 18s., c.i.f.

**BELLADONNA.**—**ROOT.**—A parcel testing 0.44 per cent. is offered at 2s. 6d. per lb. on the spot, duty paid; **LEAVES** are from 3s. per lb., as to test.

**BENZON.**—No. 1 Sumatra block on the spot is quoted at from £25 5s. per cwt. and for shipment, £23 10s., c.i.f. Siam almonds are from 20s. to 27s. 6d. per lb. spot, as to size.

**CAPSICUMS.**—Unchanged. East African on stalk are 150s. per cwt., spot, and 130s., c.i.f., off stalk, 195s., and 160s., c.i.f.

**CASCARILLA.**—Siftings are now 1s. 3d. per lb., on the spot.

**CASSIA BARK.**—Whole on the spot is 100s. per cwt. in bond.

**CHERRY BARK.**—Thin natural is from 1s. 10d. per lb., duty paid, and rossed, 2s. 2d. on the spot.

**CHILLIES.**—Sierra Leone on the spot are 180s. per cwt.; for shipment, 150s., c.i.f., nominal; Mombasa, 225s., c.i.f., and 240s., spot.

**CINNAMON.**—Ceylon for shipment (c.i.f.), OOOO, 2s. 4d.; OOO, 2s. 3d.; OO, 2s. 2d.; O, 2s. 1d.; firsts, 1s. 8d.; seconds, 1s. 7d.; thirds, 1s. 6d.; quillings, 1s. 3d.; featherings, 10½d., chips, 6d. per lb.

**ERGOT.**—Portuguese for shipment is 17s. 6d. per lb., c.i.f., nominal, and 17s., spot.

**GALANGAL.**—A parcel on the spot is offered at 82s. 6d. per cwt.

**GAMBOGE.**—Good average Siam pipe is £40 per cwt., spot.

**GENTIAN.**—French natural on spot is about 110s. per cwt.

**GINGER.**—Firm. African on the spot is 90s. per cwt., and forward at 82s. 6d., c.i.f. Spot quotations for Jamaican are about 110s. for No. 3.

**HENNA.**—Indian green leaves are about 72s. 6d. per cwt. on the spot, and 70s. c.i.f. forward. Egyptian is 100s., spot.

**HONEY.**—Firm. Spot supplies of Australian are from 107s. 6d. to 120s. per cwt., as to quantity; Argentine is quoted from 115s. to 125s.; Jamaican is scarce and prices are nominal.

**IPECACUANHA.**—Firm. Colombian for shipment is 38s. 6d., c.i.f. Spot quotations are: Nicaraguan, 45s.; Colombian, 40s., both nominal.

**JALAP ROOT.**—Brazilian is offered on the spot at 2s. per lb.

**KARAYA.**—No. 1 gum on the spot is unchanged at 200s. per cwt.; No. 2 is 165s.; No. 1, for shipment, is 185s., c.i.f.

**LOBELIA.**—Herb is 3s. 6d. per lb., spot.

**MACE.**—West Indian pale blade is 7s. 6d. per lb., for shipment, 6s. 9d., c.i.f.

**MASTIC.**—Tears (No. 2) are 11s. 9d. per lb., nominal on the spot.

**MERCURY.**—Nominal spot value is £71 per flask, ex warehouse.

**MYRRH.**—Aden selected sorts are quoted

at £16 per cwt., on the spot. Siftings are from £7 10s. to £8 10s., and granulated, £13.

**NUTMEGS.**—West Indian 80's quoted at 3s. per lb. on the spot and 2s. 6½d., c.i.f., for shipment.

**ORRIS ROOT.**—Offers of good quality Florentine are now 155s. per cwt., ex-warehouse.

**PAPAIN.**—East African, grade 1 is 38s. per lb.; Ceylon white, 40s. and sun-dried, 33s. 6d. on the spot.

**PEPPER.**—White Sarawak on the spot has advanced to 11s. per lb., ex wharf; afloat, 10s. 7½d., and February-shipment at 10s. 4½d., c.i.f. Black Malabar is nominal at 1.070s. per cwt., spot, and Black Sarawak, 9s. 6d. per lb.

**SARSAPARILLA.**—Jamaican native red is 2s. 6d. per lb. on the spot.

**RHUBARB.**—Quiet. Shensi is 11s. 6d. per lb.; Double Deer No. 1, 8s.; with other grades of Chinese rough round at from 3s. 9d. to 6s., all duty paid.

**SANDARAC.**—Morocco is offering on the spot at 14s. per lb.

**SEEDS.**—**ANISE.**—Spot, Cyprus is now offering at 140s. per cwt., duty free, and Turkish, 142s. 6d., duty paid; 132s. 6d. in bond. **CARAWAY.**—Dutch are nominal at 95s. per cwt., duty paid, in London. **CELERY.**—Indian quoted at 1s. 10½d. per lb.; French nominal 2s., per lb., duty paid.

**CORIANDER.**—Spot and forward in poor demand. Sellers on spot of Morocco at 35s. per cwt., duty paid, and English at 70s.; Morocco for prompt shipment quoted at 32s. 6d., c.i.f.

**CUMIN.**—No business reported. Spot prices are:—Cyprus, 142s. 6d. per cwt.; Indian, 165s.; Morocco, 160s., duty paid. Shipment, Morocco are quoted at 145s., c.i.f. **DILL.**—Indian offering at 80s. per cwt., spot London. **FENNEL.**—Firm. Indian, 220s. per cwt.; mid-European, 200s., duty paid. **FENUGREEK.**—Morocco, Spot London or Liverpool, 42s. 6d. per cwt., duty paid. **MUSTARD.**—English is from 75s. to 95s. per cwt., according to quality. No demand.

**SENEGA.**—Spot supplies are from 14s. to 14s. 3d. per lb.

**SENNA.**—**Tinnevely LEAVES:** Prime No. 1 on the spot is 1s. 4d. per lb.; Prime No. 2, 1s. 2d.; Prime No. 3, 11d.; f.a.q., 10d. **PODS, f.a.q.,** from 1s. 2d. to 1s. 4d.; hand-picked range from 2s. to 3s., ex wharf. **Alexandria PODS,** manufacturing 1s. 10d. to 2s. 3d.; hand-picked, 3s. to 6s.

**SHELLAC.**—Spot quotations are:—F.O.T.N., pure, 177s. 6d.; F.O. standard No. 1, 192s. 6d.; fine orange, 215s. to 265s. per cwt., ex-London warehouse.

**STROPHANTHUS.**—*Kombé*, 100 per cent. is quoted at about 16s. per lb., on the spot, and *Gratus*, 25s. per lb.

**STYRAX.**—Spot is 5s. 9d. per lb., duty paid.

**TURMERIC.**—Madras finger on the spot is 65s. per cwt., and 60s., c.i.f., March-April shipment for new-crop.

**VALERIAN.**—Indian is offered at 135s. to 137s. 6d. per cwt., spot. Belgian at about 200s.

**VANILLIN.**—Present rates (per lb.) are as follows:—5-cwt. lots, 35s.; 1-cwt., 35s. 3d.; 56-lb., 35s. 6d.; smaller quantities, 35s. 9d.

**WAXES.**—**BEES'.**—Dar-es-Salaam, spot, 435s. per cwt., March - April shipment, 415s., c.i.f. Sudanese and Abyssinian, 365s., c.i.f.; spot, 410s., duty paid.

**CANDELILLA.**—Spot is 645s. per cwt. **CARNAUBA.**—Prime yellow, spot, 1,220s. per cwt.; shipment, 1,190s., c.i.f.; fatty grey, spot, 935s. per cwt., 930s., c.i.f.

**MONTAN.**—Reibeck crude on the spot is 135s. per cwt. **OURICURI.**—Spot, 0.5 per cent. impurities, 690s. per cwt. **SPERMACETI.**—Case lots are 2s. per lb.

## Essential and Expressed Oils

**ALMOND.**—B.P. is from 6s. per lb.

**AMBER.**—Rectified on the spot is quoted at from 1s. 6d. per lb.

**ANISE.**—Spot supplies are offered at from 7s. 3d. per lb. for original drums, and for shipment, 6s. 10½d., c.i.f.

**BAY.**—W. Indian is 9s. 6d. per lb. on the spot.

**BERGAMOT.**—Spot value is about 90s. per lb.

**BIRCH TAR.**—Rectified is about 14s. per lb. in 1-cwt. lots.

**CAMPHOR, WHITE.**—Chinese is 3s. 3d. per lb., on the spot.

**CLOVE.**—Madagascar leaf on the spot is 11s. 6d. per lb., duty paid, and 8s. 6d. c.i.f. for shipment; redistilled, from 17s. 6d. per lb., spot.

**CORIANDER.**—Russian-seed oil is 160s. per lb.

**CUMIN.**—Quotations for English-distilled oil are about 75s. per lb.

**DILL.**—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot.

**EUCALYPTUS.**—Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 3d. per lb., and 80 to 85 per cent., 4s. 6d.

**FENNEL.**—Spanish sweet on the spot is quoted at from 8s. 6d. to 9s. per lb.

**GERANIUM.**—Firm. Bourbon on the spot is from 70s. per lb.

**GINGER.**—English-distilled oil is from 120s. per lb. Imported oils are available at from 85s. per lb.

**HYDROCARPUS.**—Spot is offered at 2s. 2d. per lb.

**JUNIPER BERRY.**—Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 95s. per lb., as to seller and grade.

**LAVANDIN.**—Spot supplies are offered at 15s. per lb.

**LAVENDER.**—French, 40-42 per cent. linalol on the spot is from 38s. per lb.

**LEMONGRASS.**—Firm. East Indian is 7s. 9d. on the spot and 7s. 9d. per lb., c.i.f.

**LIME.**—Supplies of West Indian distilled are offered at 45s. per lb., on the spot.

**OLIVE.**—Pharmaceutical oil in drums is from 23s. per gall. on the spot, ex warehouse. French virgin (maximum acidity 1 per cent.) is offered for shipment at £265; Tunisian virgin and French pharmaceutical (maximum acidity 0.25 per cent.), at £255 per 1,000 kilos, c.i.f. London. Spanish, no export permits at present being issued.

**ORIGANUM.**—In original containers the price is 14s. per lb.

**PATCHOULI.**—Seychelles on the spot is offered at 44s. 6d. per lb. and Penang at 50s. Forward offers of Penang at 46s., c.i.f.

**PEPPERMINT.**—*Arvensis*, Chinese oil is quoted on the spot at 32s. per lb. and Brazilian at 16s. Forward: Chinese, 29s.; Brazilian, 15s., both c.i.f. Italian "Mitcham" type oil, 49s. to 52s. 6d. per lb., as to quality, for original drums, delivered. Forward, 47s. 6d., c.i.f.

**PENNYROYAL.**—Quotations are from 18s. to 20s. per lb., duty paid, and 14s. to 15s., c.i.f., forward.

**ROSEMARY.**—Spanish oil on the spot is from 5s. 9d. per lb., duty paid, for B.P.

**SAGE.**—Spanish is offered at from 8s. 6d. to 9s. 6d. per lb., spot.

**SPEARMINT.**—Offers are from 62s. 6d. to 68s. per lb., as to holder.

**VETIVERT.**—Bourbon in original drums on the spot is about 130s. per lb.



## WORLD TRADE

**German Cosmetics Output.**—Production of the German cosmetic industry in 1952 was valued at £22 millions. Exports are stated to have been on a restricted scale.

**Indian Soap Production.**—Indian soap production in 1952 is estimated at only 121,000 tons, although the industry has a capacity of 269,000 tons a year. Manufacturers claim they are handicapped by the high price of raw materials and competition from foreign concerns. They have asked the Government to abolish, or to reduce considerably, the import duties on palm and coconut oil.

**Italian Mercury Exports.**—Italian mercury exports in 1952 totalled 1,155 metric tons, representing a slight improvement on the 1951 total of 948 tons, but was considerably less than the peak year total of 2,837 tons in 1950. The value of the 1952 exports was considerably higher than in 1950, however, due to a substantial increase in price. The total value was 3,800 million lire compared with 2,700 million lire in 1951 and 2,600 million in 1950.

**Price Ceilings Lifted.**—The U.S. Government has removed price ceilings from thousands of items in eighteen major commodity and service groups. Among the items decontrolled from February 13 are: Soaps, cleansers and detergents; collapsible tubes, metal cap closures, all types, and glass containers used for such things as drugs, cosmetics, etc. Increases in price were expected for soaps, cleansers and detergents.

## TRADE MARKS

From the "Trade Marks Journal," February 4

**For veterinary preparations (5)**  
VETROCOL, VETROFILT, 711,905-06, by Arthur Frederick Harris, London, S.E.25.

**For bacteriophages (5)**  
ORAPHAGE, 712,110, by Arthur Frederick Harris, London, S.E.25.

**For all goods (5)**  
BEMARSAL, 712,145, by Société des Usines Chimiques Rhone-Poulenc, Paris, France.  
ZOPLATEX, 713,249, by Leslies, Ltd., London, E.17.  
WANDERVITE, 713,254, by A. Wander, Ltd., London, W.1.  
CORTELAN, 713,270, by Glaxo Laboratories, Ltd., Greenford.  
ENUREPH, 713,511, by Moore Medicinal Products, Ltd., Aberdeen.  
RYBUTOL, VINUTRO, 713,655-58, by VCA Laboratories, New Jersey, U.S.A.  
DUODECIBIN, 713,699, by James Woolley, Sons & Co., Ltd., Manchester.

**For pharmaceutical preparations (5)**  
RIPASON, 712,766, by Robapharm Laboratories, Ltd., Basle.  
ALUHYDE, 712,926, by Multipax Chemicals, Ltd., London, W.1.  
EMPHYCARD, 713,461, by Polypharma Laboratories, Ltd., Alpertown.

**For chemical preparations for treating textile materials, furs and felts to prevent the ravages of insects and their larvæ (5)**  
LANOSAN, 712,906, by Ward, Blenkinsop & Co., Ltd., London, W.1.

**For feeding bottles and parts thereof (10)**  
VITAFLO, 710,434, by the Pyramid Rubber Co., Ohio, U.S.A.

From the "Trade Marks Journal," February 11

**For all goods (5)**  
TRILETS, 710,884, by the Wellcome Foundation, Ltd., London, N.W.1.  
INTRAFERRON, 713,679, by Glaxo Laboratories, Ltd., Greenford.  
ABIOCINE, 713,712, by Lepetit Società per Azioni, Milan, Italy

**For fertilisers (1)**  
GROMAX, 712,097, by Ocean Harvest, Ltd., London, E.C.4.

**For cleaning fluids for horological and scientific instruments (3)**  
NATIONAL, 705,690, by Saul Lanzetter, Manchester.

**For antibiotics (5)**  
KEMICETINE, 708,337, by Carlo Erba, Milan, Italy.  
SOFRAMYCINE, 713,047, by Les Laboratoires Français de Chimiothérapie, S.A., Paris, France.

**For medicated toilet paper (5)**  
WESCO, ACORN, 710,293 and 713,668, by Harold Wesley, Ltd., London, N.W.10.

**For medicines for human use (5)**  
GACOL, 8710,719, by the General Apothecaries Co., Ltd., London, S.E.7.

**For medicated preparations for the treatment of the scalp (5)**  
KAPOSAN KRINOSAN, 712,683-84, by Patrick Francis Aloysius Grein, Surbiton.

## PRINT AND PUBLICITY

### Advertising Campaigns

BEECHAM (NORTHERN), LTD., St. Helens, Lancs.: Beecham's pills, powders, and tablets; Phospherine; Veno's lightning cough mixture; Germolene; Germoloids; Phyllosan; Dr. Cassell's tablets; Phensic; and Ashton & Parsons infants' powders. On Radio Luxembourg (208 metres), Mondays and Wednesdays, at 8 p.m.

DON S. MOMAND, LTD., 53 Albany Street, London, N.W.1: Eugène beauty powder shampoo. Half-page advertisement in *Daily Mirror*, March 6, followed by consistent national advertising.

CHESEBROUGH MANUFACTURING CO., LTD., Victoria Road, Willesden Junction, London, N.W.10: Vaseline liquid shampoo. In national Press, provincial newspapers and women's magazines.

PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex: Euthymol toothpaste. Campaign in national daily and Sunday newspapers and some leading weeklies including the *Radio Times*.

### Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

ALLEN & HANBURY, LTD., Bethnal Green, London, E.2: "All Round the Clock Treatment for Buccal Infections" (4-p. leaflet on Chulin penicillin chewing gum).

BURROUGHS WELLCOME & CO., 183 Euston Road, London, N.W.1: "Physoptone" (12-p. booklet and blotter); "Vasylox," "Lethidrone," "Angised," "Anectine" (4-p. leaflets); "Wellcome Globin Insulin" (16-p. booklet).

CIBA LABORATORIES, LTD., Horsham, Sussex: "Sex Hormone Therapy" (16-p. booklet); "Trafuril Cream" (8-p. booklet).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Thalazole," "M. & B. Antiseptic Cream" (blotters); "Anthisan and Phenergan" (dosage card).

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Pausandryl-Barboestryl" (4-p. leaflet).

THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1: "Mepilin" (blotter); "Tercin," "Multivite" (4-p. leaflets).

### Show Material

DALMAS, LTD., Junior Street, Leicester: Dalmas waterproof dressings and strapping. Display outer.

ENERGEN FOODS CO., LTD., Energen Works, Bridge Road, Willesden, London, N.W.10: Energen breakfast flakes display material.

POTTER & CLARKE, LTD., River Road, Barking, Essex: Full-colour boxing-ring showcard and reprints of full-page advertisement in *Daily Mirror* as window sticker for Potters' catarrh pastilles.

TRUFOOD, LTD., Green Bank, London, E.1: Trufood cereal food display card 9 in. high.

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Sunday, February 22

LONDON PHARMACY RAMBLERS. Walk in Weald country of North Sussex. Meet in carriages reserved in name of Mr. S. Robinson on 9.50 a.m. train from Victoria to Ifield. Tea at Dog and Duck Inn, Warnham, Sussex, at 3.45 p.m.

### Monday, February 23

SOUTHGATE AND WOOD GREEN DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Three Jolly Butchers Hotel, Wood Green, London, N.22, at 7.30 p.m. Mr. G. H. Armitage on "Unqualified Registration."

### Tuesday, February 24

CHADWICK PUBLIC LECTURE, Royal Society of Tropical Hygiene and Medicine, 26 Portland Place, London, W.1, at 2.30 p.m. Dr. Georges Decharneux (*Assistant de l'Université de Liège, Chef du Service Medical des Usines à Tubes de la Meuse à Flémalle-Haute, Liège*) on "Industrial Medicine and Hygiene in Belgium."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Chamber of Commerce Buildings, Commercial Road, Portsmouth, at 7.30 p.m. Lecture and demonstration on make-up by a representative of Yardley & Co., Ltd.

### Wednesday, February 25

BIRKENHEAD AND WIRRAL BRANCH, PHARMACEUTICAL SOCIETY, Prenton Hotel, Birkenhead, at 8 p.m. Mr. W. R. Roberts (chief inspector of the Society) on "The Draft Revised Statement on Matters of Professional Conduct."

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY AND WALTHAMSTOW PHARMACEUTICAL ASSOCIATION, Dancecourt, Church Hill, Walthamstow, London, E.17, at 8 p.m. Programme of travel and other films.

HENDON AND EDGWARE BRANCH, PHARMACEUTICAL SOCIETY, Hendon Hall Hotel, at 7.30 p.m. Annual dance.

SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 36 York Place, Edinburgh, at 7.30 p.m. Mr. F. N. Woodward, B.Sc., Ph.D., F.R.S.E., on "Seaweed and its Utilisation."

WOMEN'S BRANCH, LEEDS BRANCH, PHARMACEUTICAL SOCIETY, *Yorkshire Post* building, Albion Street, Leeds, 1, at 2.15 p.m. Conducted tour of the building.

### Thursday, February 26

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, Dartford, at 8 p.m. Film show.

DUDLEY AND STOURBRIDGE BRANCH, PHARMACEUTICAL SOCIETY, Queen Mary Ballroom, Dudley Zoo, Dudley, at 8 p.m. Dance.

DUNDEE AND EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Liberal rooms, Reform Street, Dundee, at 7.30 p.m. Basket whist drive.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Queen's Hall, Nottingham, at 8 p.m. Dance and social evening.

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, visit to factory of Glaxo Laboratories, Ltd., Greenford. Members of party meet at Romford Market Place at 1.15 p.m. Travel is by coach which is to be provided by Messrs Glaxo.

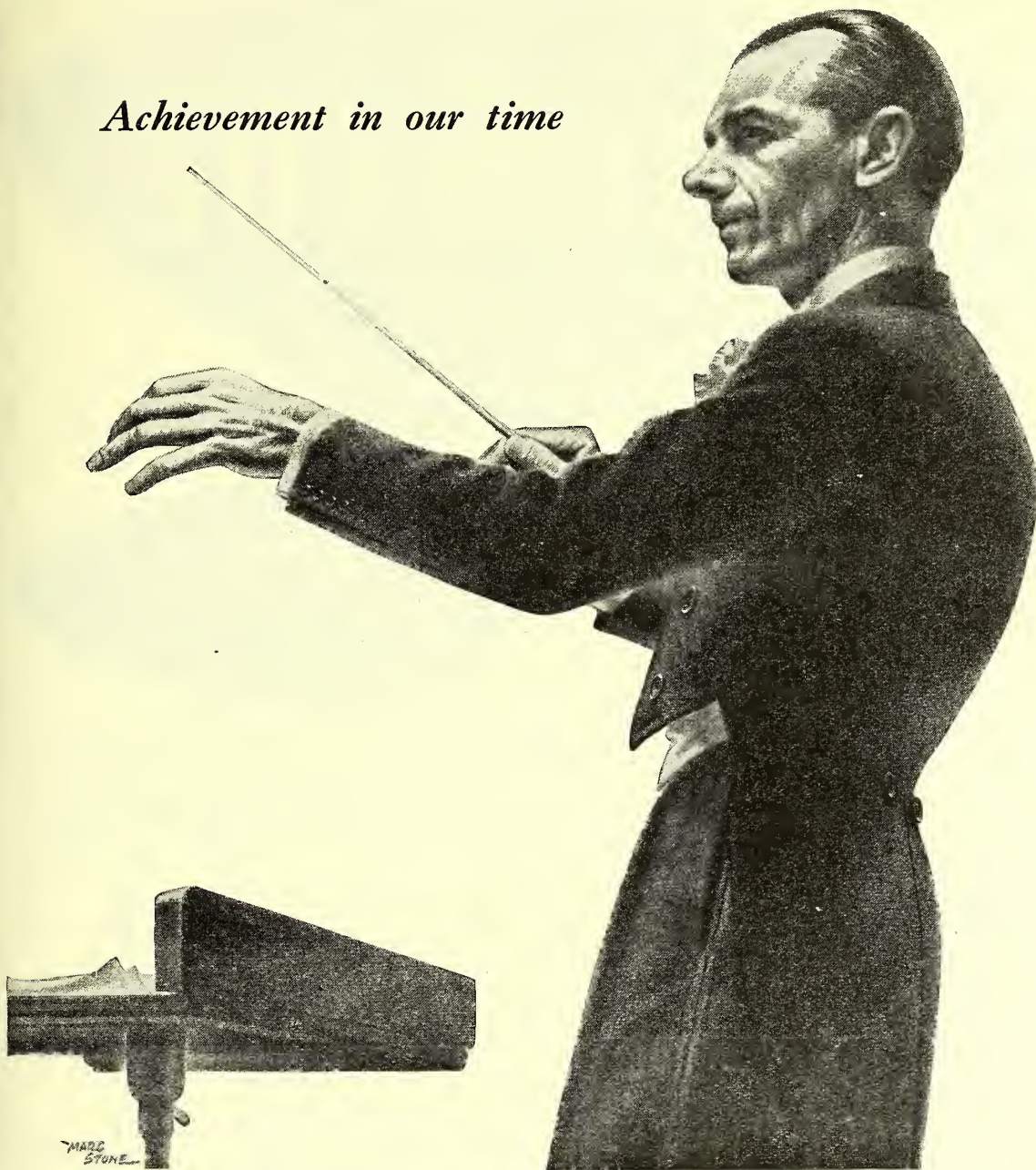
WIMBLEDON PHARMACISTS' ASSOCIATION, Town Hall, Wimbledon, at 7.45 p.m. Mr. S. H. Bennett (clerk, Surrey Executive Council) on "The Executive Council—It's Functions Under the National Health Service."

WOMEN'S BRANCH, LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Great Northern Hotel, Leeds, at 7.45 p.m. Mr. W. A. Beckett, M.P.S., on "Photography Without Tears."

### Saturday, February 28

SOCIETY OF PHARMACEUTICAL STUDENTS, BELFAST COLLEGE OF TECHNOLOGY, Seamen's Club, College Square, Belfast, at 8 p.m. Dance.



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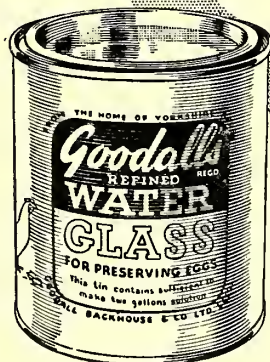
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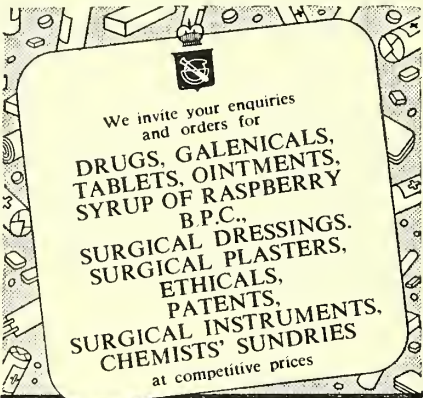
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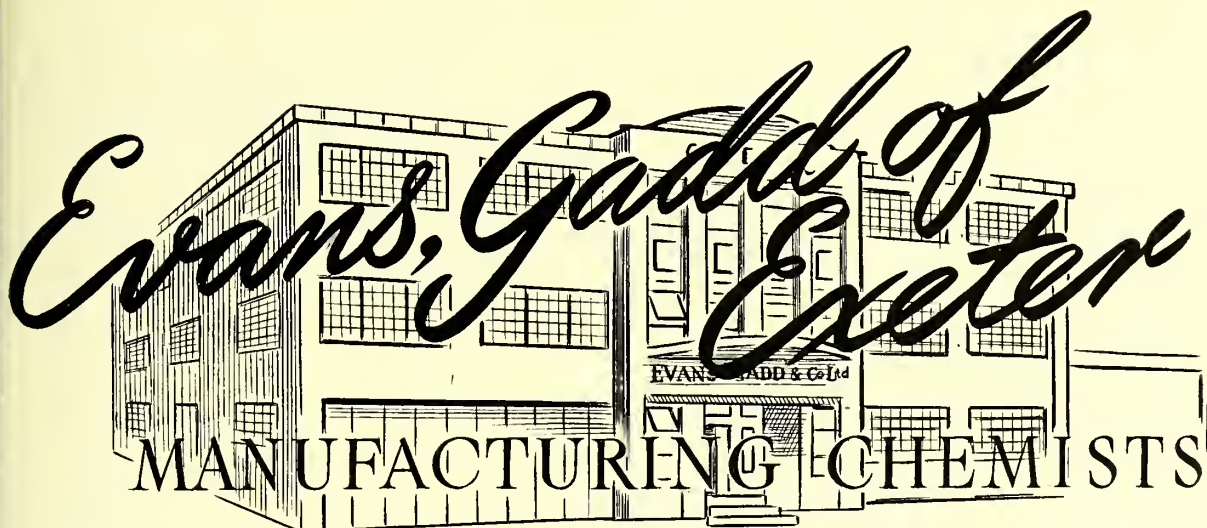
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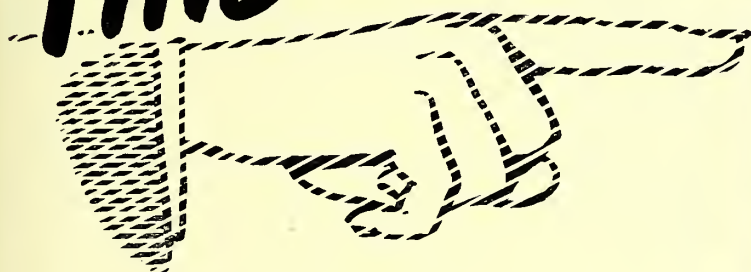
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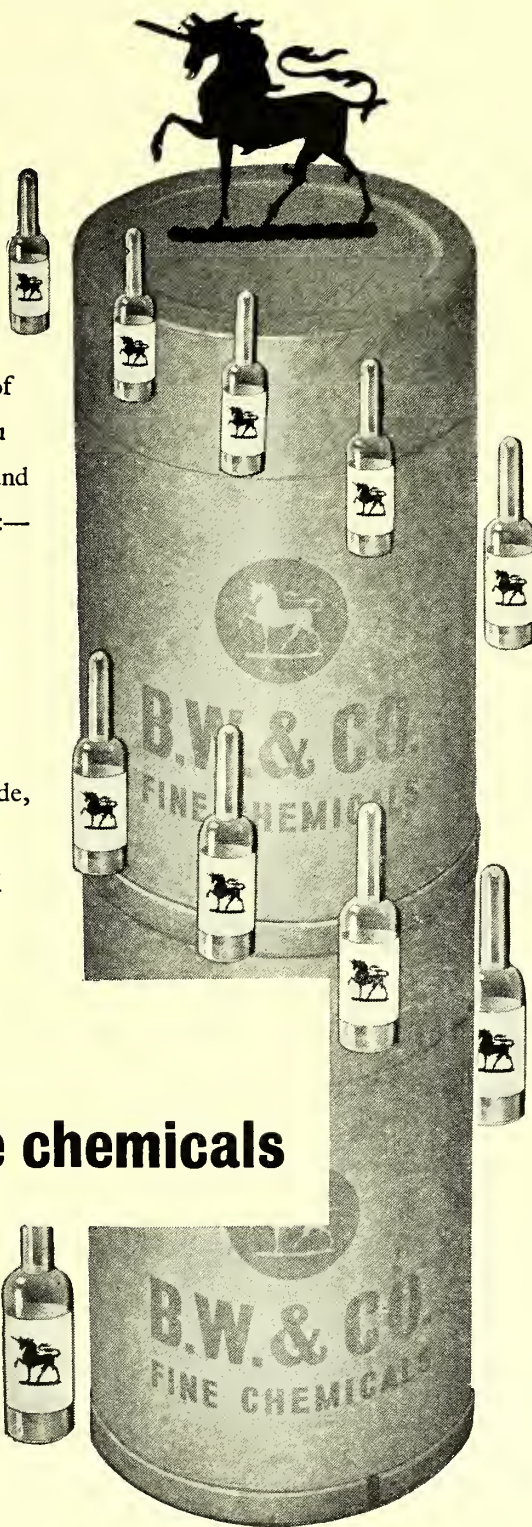
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Whether your requirements are several tons of a drug of liberal dosage or a few grammes of a potent alkaloid, you can always be assured of equally high standards of purity and quality by buying 'B. W. & Co.' Inquiries are invited for:—

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BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.)  
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# Dear Sir...

...INTRODUCING myself should hardly be necessary seeing that so many already know my relation to borax, boric acid and a host of other boron products used in industry and in the home.

The time has arrived, however, for me to come out into the limelight and say something more about myself, where I am found, what I do and how I do it.

I hope my messages will interest you.

Yours faithfully,



BORIC OXIDE  
( $B_2O_3$ )

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Jeypine will  
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families have  
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Radio Times is purchased regularly by 60% of the homes of Great Britain and seen constantly by every member of the family for 9 days plus. Retailers can benefit to the full by linking their window and counter displays to this nation wide Campaign. But be sure to check your stocks first!

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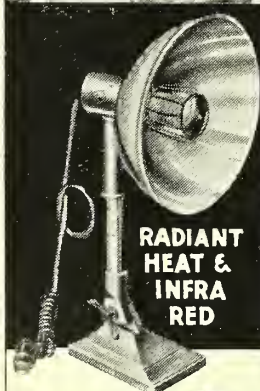
*Sells Ltd., Brettenham House, Strand, W.C.2.*



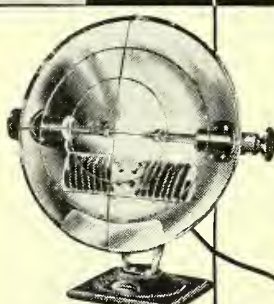
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Your regular Wholesaler can supply Pifco products.  
If any difficulty in obtaining supplies, write direct.

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## Dyspepsia

due to gastritis, hyperchlorhydria,  
and peptic ulcer should be treated  
to ensure:

*Neutralization of Acidity.*

*Rapid Symptomatic Relief.*

*Protective Coating of Ulcer.*

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The preparation of choice is

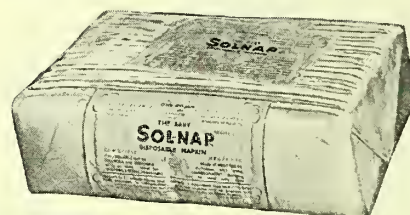
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*... when displayed near your  
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**THE BABY  
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**DISPOSABLE NAPKIN.** Made of absorbent  
cellulose with pink unabsorbent backing and  
blue waterproof sheet.

Packets of 24 — 31/6 per dozen  
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## Have you found the hidden HIGHLIGHTS in your hair?

HAIR THAT GLEAMS with shimmering highlights—that's what every woman wants!

'Vaseline' Brand Liquid Shampoo reveals all the shining hidden *highlights* you never knew were there! Even the duller hair regains a brilliant gloss! Listen . . .

It makes your hair so *clean*, that natural *highlights* spring into life.

It's actually *good* for your hair—because it's a 'Vaseline' Brand Product. Enriched to keep hair *supple*!

It makes your hair *want* to set the way you want it!



Change now to 'Vaseline' Liquid Shampoo. Get a 1/6d. bottle that gives you at least 3 luxurious shampoos. The big economy size at 3/6d. contains at least 9!

## Vaseline\* *Liquid* Shampoo

*Brings out the natural highlights in your hair*

1565-5

\* 'Vaseline' is the registered trade mark of the Chesebrough Mfg. Co. Ltd.

This year there will be more advertising for 'Vaseline' Brand Liquid Shampoo than ever before!

Striking advertisements like the one shown here will be appearing regularly in National Daily Newspapers, well-known provincial papers, and in leading women's magazines—a total women's readership of over 32 million!

Increased advertising will bring increased demand. Order 'Vaseline' Liquid Shampoo now, display it on your counter, and watch your sales increase.

*Advertisements like this are seen by over 32 million women*



## Important Announcement

The Directors of the Ilex Supply Co., Ltd. have pleasure in informing the Trade that the Sole rights of manufacture and distribution of all Page-Barker Preparations have been acquired by

**THOS. CHRISTY & CO., LTD.**

**North Lane, Aldershot, Hants.**

Telephone : ALDERSHOT 773

These preparations comprise the well-known

**Page-Barker's Scurf & Dandruff Lotion**

**Page-Barker's Scurf Pomade**

**Page-Barker's Stimulating Hair Tonic**

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As from this date all orders and enquiries should be addressed to Thos. Christy & Co., Ltd., at Aldershot or to your usual wholesale house.

### "RYDERS" COURSE OF TREATMENT TO BREAK THE SMOKING HABIT

In Tablet Form. RETAILS at 4/6 per Tube (1 complete Treatment)  
**BIG PROFITS! RETAILERS PROFIT 70% ON COST BIG SELLERS!**

Wholesale Enquiries  
Invited

Send for full details  
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**RYDERS LIMITED, "RYDENE HOUSE,"  
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**MILLAMALT**

Sole Manufacturers:

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**BECAUSE OF THE BUTTERSCOTCH FLAVOUR**

### BUCKLEY BOWKER TABLET CO. LTD.

ESTABLISHED 30 YEARS

We specialise in the manufacture of **QUALITY**  
**TABLETS** to **PRIVATE FORMULAE** and of  
**CONTRACEPTIVE** (foam) **TABLETS** of the  
highest standard, and will be glad to quote for  
your requirements . . . . .

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Over 90% margin and  
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ASK YOUR WHOLESALE OR WRITE TO  
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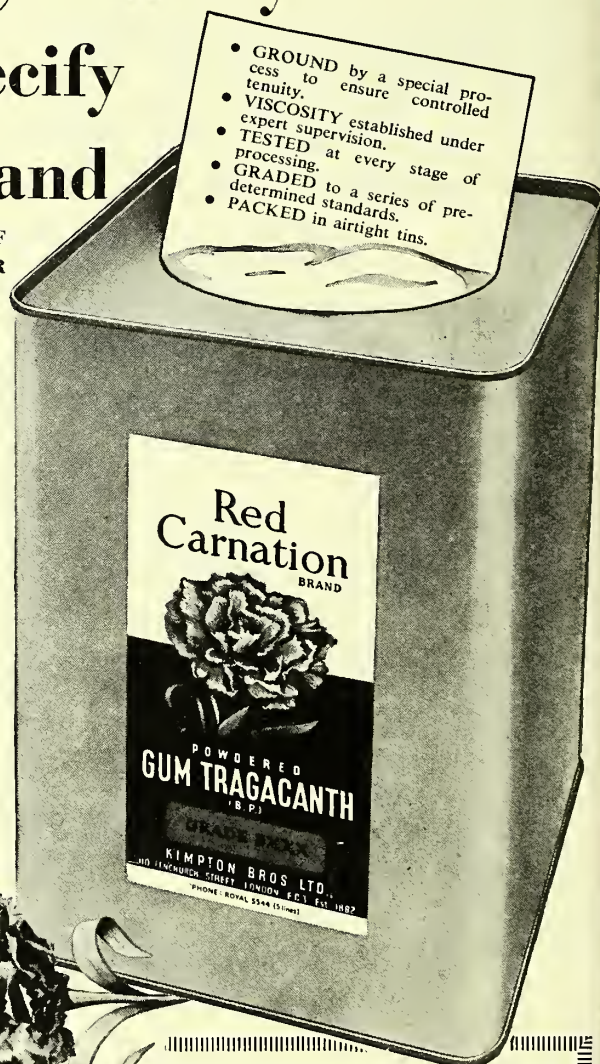
**TO ALL USERS OF  
GUM TRAGACANTH**

*Whenever you order  
and whatever grade you order  
you get exactly what you order  
if you always specify  
'RedCarnation' Brand*

POWDERED GUM TRAGACANTH, IN FOUR GRADES OF  
CERTIFIED VISCOSITY, COLOUR AND FINENESS OF POWDER

DO you have to analyse every consignment of Gum Tragacanth you receive in order to determine whether it has the characteristics called for by your formula? If you do, you are wasting time and money. You have only to specify RED CARNATION Brand to be certain of receiving, throughout the year, Gum Tragacanth of certified quality and characteristics. And, whenever you order, you can be sure that the Gum Tragacanth you receive is fresh because RED CARNATION Brand is in such constant demand (it is specified by leading manufacturers of pharmaceutical products throughout the country) that there is no risk of deterioration through long storage.

G R A D E S			
1	2	3	4
BXXX	BXX	BX	BA



**Red Carnation**  
BRAND  
**POWDERED GUM TRAGACANTH**  
KIMPTON BROS. LTD. (ESTABLISHED 1882)  
110 FENCHURCH ST., LONDON, E.C.3. 'PHONE: ROYal 5544 (5 lines)

The literature dealing with Gum Tragacanth is not readily accessible to the average commercial user. On request, you can obtain a free 12-pp. illustrated booklet, telling "The Story of Gum Tragacanth". If you have any queries regarding RED CARNATION Brand Gum Tragacanth—e.g. which grade is most suitable to your requirements—our Research Department will be pleased to advise you.



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**FEW YARDS WOOLWORTHS**, Fine modern shop in prosperous suburb. Excellent opening for chemist-druggist. Lease 16 years at £300 p.a. Flat produces £65 p.a. Full details Stewart Klitz & Co., 100 High Street, West Wickham, Springpark 2281-2. C 3245

**MANUFACTURING** Chemist's business for disposal, London, very central. Approx. 5,000 sq. ft. modern plant. Liquid, cream and powder filling machines, mixer and labelling machine. Stocks, goodwill, leasehold, Principal's only. Apply Box C 3235.

**WELL-KNOWN CHEMIST** sundries wholesaler, established over 30 years, covering South-eastern and Southern England. The turnover is over £30,000 per annum and with very little extra expense could be increased to £60,000. The concern is housed in a freehold warehouse, and the complete concern is for disposal. The purchase price is about £18,000 which includes factory, stock (all good), book debts (all good) and fixtures. The price required is nearly covered by saleable assets, as very little is shown for goodwill. This is a genuine offer and a chance that is not often had. Genuine reasons for disposal. Please supply bankers' or solicitors' references, in confidence. Box C 3251.

**WEST END** beauty house with a small but exclusive mail order business. The company is limited, has small stocks of raw materials, formulae, and is offered complete. Excellent opportunity to acquire a small established firm and build it up. Price £500 complete. Box No. A.C. 78908, Samson Clarks, 57-61 Mortimer St., W.1. C 5008

**WEST RIDING** of Yorks. City suburbs. Old-established pharmacy with property for sale. Owner retiring through ill-health. Good living accommodation and storage available. Full particulars to bona fide enquirers. Box C 3241.

**WHOLESALE CHEMISTS** (limited company) covering North of England are open to dispose of their business. Satisfactory reasons for sale. Good lease available if desired. Box C 3181.

**YORKSHIRE WHOLESALE COMPANY** supplying ladies' hairdressers for sale. Central ground-floor showrooms, experienced indoor and outdoor staff. Turnover £30,000 per annum. Excellent proposition, working owner. Reasonable price. Principals only. Box C 3216.

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Box 2/-

**PHARMACIST** in process of selling house requires small drug store offering scope as pharmacy. Accommodation essential. Neglected pharmacy considered. Home Counties preferred. Box C 3226.

### APPOINTMENTS

18/- per half-inch (min.) and pro rata.  
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#### BOSTON GENERAL HOSPITAL

**PHARMACIST** required to assist Chief Pharmacist in newly opened department situated at Boston General Hospital. All types of Hospitals served. Sterile work and manufacturing undertaken. Commencing salary £450-£500 p.a. according to age and experience. appointment subject to nationally negotiated conditions of service.

Apply, stating age, qualifications, details of previous appointments held (if any) and names of two referees to the Hospital Secretary, Boston General Hospital, South End, Boston. C 5062

#### CROWN AGENTS FOR THE COLONIES

**PHARMACIST (MALE)** required by the Government of Kenya for the Medical Department. Commencing salary (including temporary allowance) according to qualifications and experience in sea's £741 rising to £1,248 a year. Outfit allowance £30. Free passages for self and family and liberal leave on full salary after each tour of four years. The appointment will be on probation for permanent and pensionable employment. N.H.S. superannuation rights can be preserved. Candidates, not over 40 years of age, must be members of the Pharmaceutical Society. Apply at once by letter, stating age, full names in block letters, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting on letter M.32487.G. The Crown Agents cannot undertake to acknowledge all applications and will communicate only with applicants selected for further consideration. C 5070

#### ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE

**LOCUM PHARMACIST** required for relief duties at hospitals in the Group from March 9-28 inclusive. £12 12s. per week. Apply immediately, stating age, qualifications, past and present appointments and the names of two referees, to the Secretary of the Management Committee, Chase Farm Hospital, Enfield. C 5081

#### KINGSTON HOSPITAL, WOLVERTON AVENUE, KINGSTON-UPON-THAMES

Applications are invited for the appointment of Senior Pharmacist at the above Hospital to supervise the production of sterile solutions and other preparations. Salary on the scale £525 x £25 to £625 plus London Weighting; conditions of service in accordance with the recommendations of the Pharmaceutical Whitley Council. The appointment will be vacant on March 2, 1953, and applications, together with the names of two referees should be sent as soon as possible to the Physician Superintendent. C 5063

### CROWN AGENTS FOR THE COLONIES

**GOVERNMENT PHARMACIST, MEDICAL DEPARTMENT**, required for the Gold Coast Local Civil Service on contract for two tours of 18-24 months each. Salary £990 rising to £1,950 a year. Outfit allowance £60. Gratuity of £100-£150 a year paid on satisfactory completion of service. Free passages for self and family and liberal leave on full salary. N.H.S. Superannuation rights can be preserved. Candidates must be Members of the Pharmaceutical Society.

Apply at once by letter, stating age, full names in block letters and full particulars of qualifications and experience and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting on letter M.32488.G. The Crown Agents cannot undertake to acknowledge all applications and will communicate only with applicants selected for further consideration. C 5082

#### HACKNEY HOSPITAL, E.9

**LOCUM PHARMACIST** (qualified) wanted immediately. Write Group Secretary. C 144

#### HAMMERSMITH HOSPITAL AND

#### POST-GRADUATE MEDICAL SCHOOL,

**DU CANE ROAD, LONDON, W.12**  
(CATEGORY V)

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Applications invited for the appointment of **PHARMACIST** at the above General Teaching Hospital where there is a busy Pharmaceutical Department and a wide variety of experience is offered. Salary scale £450-£575 p.a. plus London Weighting, other terms and conditions in accordance with Pharmaceutical Whitley Council. Age, qualifications, experience, names of two referees to Chief Pharmacist by March 7, 1953. C 5080

#### MID WORCESTERSHIRE HOSPITAL MANAGEMENT COMMITTEE, KIDDERMINSTER GENERAL HOSPITAL

**SENIOR PHARMACIST** required at the above General Hospital; should be qualified M.P.S. or Ph.C. Salary £450 x £25 to £575. Applications, with the names of two referees and full details to the Hospital Secretary. C 5087

#### SHEFFIELD NO. 1 HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the appointment of **SENIOR PHARMACIST (M.P.S.)** at City General Hospital. Salary scale £525 x £25—£625 p.a. (additional £25 p.a. if holding higher qualification). Apply giving full details of age, qualifications, experience, etc., and the names of two persons to whom reference may be made, to the undersigned at Nether Edge Hospital, Sheffield, 11, W. Stansfield, Secretary. C 5061



**Appointments—Continued****HILL END HOSPITAL,  
ST. ALBANS, HERTS.**

(20 miles from London on good bus route). Assistant Pharmacist (Male or Female) required immediately. Salary and conditions of service in accordance with J.N.C. (Hospital Staffs). Apply, stating age and full particulars of experience to Medical Superintendent. C 5088

**LUTON AND DUNSTABLE  
HOSPITAL, LUTON, BEDS.**

Applications invited for post of Pharmacist at the above hospital. Hospital experience not essential. Salary and service conditions according to Pharmaceutical Whitley Council. Written applications with full details and copies of two recent testimonials to Secretary. C 5086

**ROYAL INFIRMARY,  
SUNDERLAND**

Qualified Pharmacist required for the Royal Infirmary with service at the Children's Hospital. Salary £450 x £25—£575, if aged 23 or over; Whitley Council conditions. Apply immediately, naming two referees, to the Hospital Secretary, Royal Infirmary, Sunderland. C 5072

**WEST MIDDLESEX HOSPITAL  
(SOUTH-WEST MIDDLESEX  
HOSPITAL  
MANAGEMENT COMMITTEE)**

Pharmacist required at above Hospital. Salary scale £450 x £25 to £575 plus London Weighting. Higher qualification allowance £25 per annum. Whitley conditions applicable. Applications, stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5018

**SITUATIONS OPEN**

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The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

**RETAIL (HOME)**

**EASTERN SUBURBS.** Applications are invited from pharmacists wishing to be considered for branch managements in the pleasant suburban areas of Woodford and Ilford. Living accommodation if required. Generous salary and commission. Good supporting staffs and modern, well-planned shops. Permanent posts with promotion prospects, superannuated. Apply, in first instance, giving details of experience, etc., and stating when available for interview to Superintendent Chemist, Grange Rd., Leyton, London, E.10. C 3210

**NORTH LONDON**—Unqualified assistant required, preferably with dispensing experience; good salary and prospects. A. Aldington, M.P.S., 493 Seven Sisters Road, South Tottenham, London, N.15. Telephone Stamford Hill 4876. C 5065

**HAYES, MIDDLESEX.** Excellent opportunity for experienced pharmacist to manage family type dispensing branch in pleasant area. Adequate supporting staff, well-fitted shop with modern dispensary. Substantial salary and commission, plus rota duty payments. Good living accommodation above shop with garden and garage. Permanency with superannuation benefits. Apply, in first instance, giving details of experience, etc., and when available for interview, to Box C 3209.

**L. ROWLAND & CO., LTD.** of Wrexham, invite applications from qualified gentlemen for a vacancy as manager of an established branch within a few miles of this town. Permanent position, offering reasonable hours, modern living accommodation and experience in the control and maintenance of a pharmacy having sound dispensing and counter services. Replies please, giving full particulars, to: The Secretary, Mitre Buildings, Brook Street, Wrexham. C 3232

**LONDON CO-OPERATIVE CHEMISTS, Ltd.**, have vacancies for experienced unqualified men to train as drug store managers. Applicants should have business ability and be keen salesmen with a knowledge of photography. Good salary according to results obtained. Permanencies with participation in pension fund. Apply, with full details of experience and stating when available for interview, to Superintendent Chemist, Grange Rd., Leyton, London, E.10. C 3211

**MANAGER REQUIRED** for large old-established pharmacy, Streatham S.W. Four assistants employed. Applicants must be experienced in buying and capable of full control. The job for the right man is worth a minimum of £1,000 p.a. No living accommodation. Apply, giving full details of career to A.B.C. Services, Ltd., 50 Islington Park Street, London, N.1. C 3213

**PHARMACIST** required to manage branch in Southampton. Lady preferred. Attractive flat above redecorated throughout, also garden. Kindly state salary required and usual particulars to P. R. Pratten, M.P.S., 83 Shirley Avenue, Southampton. C 3237

**PHARMACIST** with good experience of retail and N.H.S. to take charge of North London pharmacy, good salary paid with commission on basis to be arranged. Possible view to succession. Comfortable furnished accommodation (with meals if desired) could be provided near at hand for single person. Box C 3252.

**QUALIFIED CHEMIST** wanted as Manager for new branch shop, salary approximately £700 per annum. Superannuation (with transfer clause) and incentive bonus schemes in operation. House available. Apply, stating age, experience, etc., to Dalziel Co-operative Society, Limited, Dalziel Street, Motherwell, Endorse envelope "Chemist." C 3230

**SCOTLAND:** Pharmacist wanted to manage branch in Buckie, Banffshire. Five-apartment house with bathroom and electric light available at moderate rental. Good salary with superannuation scheme in operation. Applications in writing, stating age, experience and when available for interview to: Mr. W. S. McBeath, M.P.S., Technical Supervisor, Retail Drug Dept., S.C.W.S., Ltd., 187 Bogmoor Rd., Shieldhall, Glasgow, S.W.1. C 5074

**UNQUALIFIED LADY ASSISTANT** required for counter and general shop duties in family type dispensing and cash business. Ability to read prescriptions an advantage. Hours 9 a.m. to 1 p.m. Wednesday half-day but additional half-day available for industrious co-operative employee. Write, details of salary expected, experience, etc. Coleman, Chemist, Fetcham, nr. Leatherhead. C 3178

**TEMPORARY** stocktaking assistants required for about two months commencing in early March, for duties in the London and Birmingham areas. Please state brief particulars of past experience and salary required, etc. Box C 5066.

**UNQUALIFIED** for dispensing and counter required, lady preferred but either sex considered. Apply with full particulars to Kendale Dispensing Chemists, 51 Exmouth St., E.C.1. Phone: Terminus 1431. C 3218

**UNQUALIFIED FEMALE** assistant, for counter and dispensing duties, wanted by end of March. State age, experience and salary expected, by letter, to W. J. Boyes, Ltd., 61 Balham Hill, S.W.12. C 3225

**WEMBLEY AREA.** Branch manager pharmacist required for good dispensing business in nice suburb. Compact living accommodation away from shop with two bedrooms, etc. Excellent opportunity for ambitious man to make good progress with progressive organisation. Permanency with pension fund. Apply, in first instance, giving full details of experience, etc., and stating when available for interview to Superintendent Chemist, Grange Rd., Leyton, London, E.10. C 3212

**LOCUMS WANTED**

**LOCUM PHARMACIST** required for the holiday season extending from April to October, with prospect of permanent managerial position on completion of relief duties. Special rate of salary. Apply, giving full particulars to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 71 Powis Street, Woolwich, S.E.18. C 5003

**LOCUM PHARMACIST.** August 10-22. Competent staff. Duties supervisory only. W. H. Harrison, M.P.S., Dispensing Chemist, 65 Picton Rd., Liverpool, 15. Tel.: Sef. Pk. 176. C 3239

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**A PROGRESSIVE** well-known manufacturing house in process of extending their sales force offer engagements to keen creative salesmen in several territories including Scotland, Northern Counties, Lancashire and some Southern areas. Sole agencies considered. The products (edible) are fine quality with universal everyday appeal and possess exceptional selling features. Applicants must be car owners with established connections amongst retail and wholesale chemists and co-operative societies. Only salesmen with proof of selling ability—not mere order takers—can be considered. Positions are permanent and provide great scope to the right men who will receive complete backing. Full details necessary in first instance. Box C 3247.

**ASSEMBLER**, either sex, for patents, toilets and sundries; experienced, required by wholesale house. Good opportunity and excellent prospects for efficient person. Apply in full confidence to Biorex Laboratories, Ltd., 51 Exmouth St., E.C.1, or phone Terminus 9494. C 3217

**ASSISTANT (MALE)** under 30 required for order department of wholesale distributor. Must have good retail experience and knowledge of "ethical" proprietaries and of D.D.A. regulations. S.W. London area. Commence £10 weekly; progressive post. Box C 5083.

**FIRST-CLASS APPOINTMENT** available for representative with connections among retail chemists in South of England. Write, giving details of past experience and remuneration required. Apply Box C 5024.

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41 ARGYLE SQUARE, KING'S CROSS, W.C.1  
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Due to retirement, J. C. Gambles & Co., Ltd., 209/215 Blackfriars Road, London, S.E.1 have a vacancy for an experienced Representative to cover North London.

Written application should be made giving details of past experience, age and an indication of salary required.

C5034

### Situations Open—Continued

**BIOREX LABORATORIES, LTD.**, 51 Exmouth St., E.C.1, offer representative salary, commission, expenses, and opportunity of substantial income. Must have established connection and experience in selling to chemists: drugs, galenicals, dressings, plasters, proprietaries and chemists' sundries. Must be car owner. Some Home Counties and London territories vacant. C 3243

**BRADLEY & BLISS, LTD.**, require young male pharmacist seeking wholesale experience. The position is progressive and preference will be given to applicants under 30 years of age. Commencing salary will be according to age and experience. Applications to Managing Director, London Street, Reading. C 3253

**CHEMICAL MANUFACTURERS** near London require a qualified pharmacist in the packaging division. The engagement is on the manufacture and packaging of ethical products, with opportunity for experiment in production and control methods. Salary according to qualifications and experience with prospects of advancement. Five-day week. Canteen facilities. Apply, giving full details of qualifications and experience to Box C 5036.

**COOPER, McDUGALL & ROBERTSON, Ltd.**, Berkhamsted, Herts, require an experienced sales representative, aged 25-35, for their nationally advertised pet foods, aerosols and household insecticides in the counties of Hereford, Worcester, Warwick and Leicester. Applications are invited from men with proved selling ability and established connections with chemists, ironmongers and pet stores. Salary according to experience and qualifications. Car provided, expenses paid, position pensionable. Reply, giving full details of previous experience and present employment, in confidence, to the Household Sales Manager. C 5046

**DALMAS, LTD.**, Junior Street, Leicester, require a male representative for Northern Ireland having a connection with all chemists and hospitals, and willing to undertake contact work with the medical profession. In reply state salary required and whether you have your own car. C 5085

**EVANS MEDICAL SUPPLIES, LTD.**, have a vacancy for a representative to call on chemists in Somerset and Gloucester areas. Applicants must be under 35 years of age with recent experience of retail pharmacy. Apply, in writing, to the Home Sales Director, Evans Medical Supplies, Ltd., Speke, Liverpool, giving full details of career. C 5052

**MEDICAL REPRESENTATIVES**. Established "ethical" house invites applications from experienced representatives with knowledge of doctors, hospitals and chemists in (a) Midlands; (b) Lancashire; (c) Yorkshire and North-east Coast; (d) South Scotland. Give full particulars of experience, particularly in area, salary required, etc. Box C 5078.

**MEDICAL REPRESENTATIVES** required by well-known London pharmaceutical manufacturers for (1) the West of England, to reside in the Bristol area; (2) South Wales, to reside in the Cardiff area; (3) the Midlands, to reside in the Birmingham area, and (4) Lancashire, to reside in the Manchester area. Pharmaceutical background desirable but not essential. Remuneration commensurate with experience. Pension scheme. Write, giving full details to Box No. 464, Spottiswoodes, 52 Bedford Row, W.C.1. C 5057

**REPRESENTATIVE REQUIRED** for Eastern Counties for old-established firm calling on chemists, hospitals and doctors only, with surgical dressings, chemists and medical sundries. Apply Box C 5069.

**PHARMACIST** or pharmaceutical chemist required by old-established firm of manufacturing chemists for dispensing on manufacturing scale and routine analytical work testing raw materials and finished products, with some experimental work on new lines. Good position with prospects for right man with ideas, initiative. Preference given to man with experience with compressed tablets. Five day week; canteen, etc. Reply, in confidence, with full particulars, giving experience, salary required, etc., to Managing Director, Smith Kendon, Ltd., 132 Borough, London, S.E.1. C 3182

**REPRESENTATIVES** required. All areas by paper merchants. Expenses and good commission. Box C 3156.

**REPRESENTATIVES REQUIRED** to call on already existing connection of chemists, carrying sundries and toilet preparations. London and South Coast areas. Reply to Box C 3248.

**RESEARCH LABORATORY ASSISTANT** required for manufacturing chemists, South-east London. B.Sc. or Inter. standard; male or female. Interesting, specialised work. Apply, with full details to:—Box C 3250.

**S.W. LONDON AREA**. A well-known ethical house requires the services of a first-class man for medical propaganda work on this territory. Previous experience desirable but not essential. Candidates should, however, have a thorough knowledge of the territory and a good pharmaceutical background. Write in confidence to Box C 5043.

**SALES REPRESENTATIVE** required by manufacturers of well-known beauty products, for London territory. One with good connections with stores and high-class chemists, now carrying similar lines preferred. Liberal commission basis only. Apply, giving full particulars, to Box C 5079.

**SALESMEN REQUIRED** by manufacturers of D.D.T. flycatchers, insecticides, and full range of branded products for retail chemists, ironmonger, grocery and allied outlets. Exclusive areas, generous commission. All-year-round business assured from supporting lines. Reply, in confidence, stating age, area covered, other lines carried. Box C 5073.

**THE CROOKES LABORATORIES** require a representative to cover Leicestershire, Northamptonshire, Bedfordshire, Buckinghamshire, Oxfordshire and Berkshire. Applicants must reside in the territory, and although previous experience is not essential, preferential consideration will be given to those having a pharmaceutical qualification, or adequate technical background. After a training course, duties will comprise professional interviews with doctors and hospital staffs, and commercial calls on the trade. The position is progressive and superannuated, and applications should be made, initially, in writing, giving full details to the General Sales Manager, The Crookes Laboratories, Ltd., Park Royal, N.W.10. C 5077

**UNQUALIFIED ASSISTANT** for wholesale warehouse. Must be experienced and have a comprehensive knowledge of ethical dispensing and counter specialities. Sussex coast resort. Please give full particulars and state salary required. Box C 3254.

**WAREHOUSEMEN** checkers, experienced, wanted by wholesale distributors. Euston district, London. Good wages, permanency. Canteen, alternate Saturdays. Phone Euston 4638 or write Box C 5068.

**WHOLESALE CHEMIST**, specialising in Vacuum Flasks, requires representatives to call on retail trade on generous commission basis in the following areas: Lancashire, Wales, Somerset, Norfolk, Cambridge, Essex, Surrey, South London. Box C 3229.

### WHOLESALE (OVERSEAS)

**SOUTHERN RHODESIA**. Representative: Leading pharmaceutical house invites applications from qualified pharmacists within age group 25-30 to fill two vacancies on the sales force of their new Branch Organisation in Salisbury. Preference will be given to unmarried applicants with previous representative experience. A first-class pharmaceutical background, retail or hospital, is essential. Training will be given before proceeding overseas. Apply, initially, in writing, giving full details of previous experience to Box C 5037.

### SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.

Box 1/-

### RETAIL (HOME)

**BIRMINGHAM AREA**. Young pharmaceutical chemist desires regular or occasional Saturday work, if necessary, at short notice. Box C 3228.

**GRADUATE** in pharmacy of the American University of Beirut desires six months' employment as unqualified assistant, preparatory to examination under Bye-law 24 for registration in Great Britain. Manchester or London districts preferred. Joseph Abadi, Via Leopardi 25, Milan.

**LADY**, 29, good appearance and address, desires post in chemists to gain all-round experience. Used to business. Live in or out. Miss J. Morgan, "Pencrest," Pensilva, nr. Liskeard, Cornwall. C 3236

### LOCUMS SEEKING ENGAGEMENTS

**QUALIFIED**, widely experienced, largely in London. Free now and up to April 4. Dennis, Coastguard House, Sheringham. C 3238

### WHOLESALE

**AGE 60**, 25 years' sound connection West Riding, Yorkshire. Small salary, expenses. Box C 3227.

**INDIA—PHARMACEUTICALS**. Senior British Executive, now general manager of well-known British company dealing in fine and heavy chemicals and in the manufacture and marketing of pharmaceuticals, desires change. Please contact P.O. Box 6097, Bombay 5.

**REPRESENTATIVE**, aged 40, well established many years in West Country, seeks change to progressive British company. References from chemist customers available. Box C 3240.

**TABLETS**. Advertiser with wide and varied experience of all kinds of tablet making, desires position offering scope and opportunity with London wholesale chemists. Box C 3246.

**WELL-KNOWN** ex-Government purchasing executive experienced surgical dressings, plasters, hospital textiles, seeks London representative reputable manufacturer for wholesale, export, etc. Box C 3183.

### AGENCIES

17/6 for 36 words (min.) then 4d. per word.

Box 2/-

**EXPORT AGENT WANTED** with experience in East and West African markets in Repellants, pomades, latest American perfume novelties. Good commission. Box C 5067.



**AGENTS REQUIRED**

(ALL TERRITORIES)

With connections with the following trades — Grocery, Stationery, Hardware, Chemists — to handle nationally advertised quick-selling product. Only men used to earning big money need apply. References essential. Box No. 76 Samson Clarks, 57/61, Mortimer Street, London, W.1. C 142

**Agencies—Continued**

**AGENT REQUIRED** by well-known toilet soap and perfumery house for Northern Ireland. Must have first-class connection with chemists and stores. Fullest details, including age, and whether car owner to Box AC 79280, Samson Clarks, 57-61, Mortimer St., W.1. C 5048

**AGENCIES WANTED**

8/6 for 36 words (min.) then 3d. per word.  
Box 2/-

**FIRST-CLASS REPRESENTATIVE**, age 32. Sound connection chemists, departmental stores and co-ops, S.W. Lanes area. Will consider agency offer from first-class firms. Nationally advertised and proprietary lines only considered. Box C 3223.

**IRELAND.** Established agents already distributing leading pharmaceutical lines throughout Ireland. seek additional agencies for first-class products. Box C 3244.

**REPRESENTATIVE**, connections established over 16 years. Hospitals, county councils, etc., now open to accept additional line, commission only. Southern England area, based London. Own car. Box C 3249.

**WANTED**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**WANTED:** 10 tons borax crystals, talcum powder, 5 tons sulphate of alumina 17/18 per cent. iron free, bicarbonate of soda B.P., amber green petrolatum melting point approx. 150°F. Box C 5064.

**BOTTLES, JARS AND CLOSURES** purchased for cash, we take this opportunity of advising you that we are open to purchase all stocks of medical bottles, screw caps, gummed tapes and other packaging materials. For top prices communicate with samples to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon St., E.C.4. Man. 3951/2. C 5076

**WANTED.** Surplus or redundant merchandise, clearance goods of any description or discontinued lines. Cash immediately, no delay. Our representative will be pleased to call or, alternatively, please send samples with particulars, quantity and price. Lawrence Edwards & Co., 6-7 Wellington Close, Ledbury Rd., London, W.11. Telephone: Bayswater 4020. C 140

**BUSINESS OPPORTUNITIES**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**TOILET PREPARATIONS.** National advertiser with 2,000 open accounts and 5 travellers wishes negotiate working arrangement with organisation with similar sales force with the object of reducing overheads, improving distribution and increasing turnover to mutual advantage. Write Box 330, Sells, Ltd., Brettenham House, Strand, W.C.2. C 5071

**WELL-KNOWN** manufacturing chemists, perfumers, and packers to the trade, offer facilities for packing all types of pharmaceutical products, toilet preparations, etc., etc. All enquiries treated with strict confidence. Any type of packing or manufacturing undertaken. F. M. Langford, Ltd., 40-41 Wellclose Square, London, E.1. Telephone: Royal 4743 or 4744. C 3234

**IMPORTANT**

Box Office numbers are intended exclusively for specific answers to particular advertisements and Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

**MISCELLANEOUS SALES**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**FOR SALE:** Addis Nylon tooth-brushes, sealed cartons of 500 at £7 per carton, c.o.d. carriage paid home. Selwyn, Ltd., Northwich. C 3184

**FOR SALE:** Bottles and jars for immediate delivery and below manufacturers' prices: 400 gross 2 oz. W/F squat jars and metal caps 11/6 per grs.; 250 gross 1 oz. amber U.G.B. powder rounds and bakelite caps 15/- per grs.; 600 gross No. 3 oval W/F tablet bottles and metal caps 7/6 per grs.; 250 gross No. 1 indirect square amber tablet bottles and metal caps 8/9 per grs.; 50 gross No. 4 indirect square amber tablet bottles and metal caps 14/- per grs. Leon Davis & Co., 9 Laurence Pountney Lane, E.C.4. Man. 3951/2. C 5075

**PROPHYLACTICS.** First quality transparent and ivory condoms of Continental manufacture at 17/6 per gross. Supplied either long laid, rolled loose or packed in plain envelopes. Please state how required. Terms: C.W.O. or C.O.D., carriage paid. Special terms for large quantities. Satisfaction assured. Julian Grosse, 26 Goodge St., London, W.1. C 3202

**SACCHARIN TABLETS.** Government standard strength—packets of 100, 1-gross lots, 49s. gross, 5-gross lots 48s. 6d. gross. Special prices for larger quantities. Registered post by return. Agnew & Simpson, Ltd., 81-87 Oxford St., Glasgow, C.5. C 9991

**STRONTIUM NITRATE**, tin oxide (stannic), hexyl resorcinol, diacydiamide, iodine, acetophenone, nicotine, manganese dioxide. Box C 3233.

# The C and D WEEKLY LIST OF PRICE CHANGES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; \* = Tax 33½ per cent.; † = Tax 100 per cent.

**EVANS MEDICAL SUPPLIES, LTD.**

THE price of the 10-11-oz. size of Zant was incorrectly given in the company's price list and in a leaflet sent to chemists recently. It should be 2s. 6d.

**THOMAS KERFOOT & CO., LTD.**

Isoniazid tablets 50 mgm.

	Doz.
25	18 0 R
100	48 0 R
Each	
1,000	29 0 R

**THE ARMOUR LABORATORIES** (from February 9)

	I.R.P.
Penicillin inhalation set	16 0 R
refill 2 vials of 3 capsules,	11 0 R
refill 3 vials of 3 capsules	14 0 R

**P.A.T.A. PROTECTED LIST****Part 1**

**BENBOW'S DOG MIXTURE CO., LTD.**  
(Correction to P.A.T.A. Quarterly Record, January 1953)

	Doz.
Benbow's capsules*	small 32 0 4 4½
	large 108 0 16 6

**EVANS MEDICAL SUPPLIES, LTD.** (in Irish Republic)

Evans throat pastilles 15 0 1 9 A

**FASSETT & JOHNSON, LTD.**

The company has been appointed sole distributor of Dr. Janssens tablets.

Formamint tablets (Wulffing brand)\*

Reduction in standard wholesale prices:—

20	8 0 R 1 3
50	16 0 R 2 6

The price of Formacaine tablets is unchanged.

**MEDO-CHEMICALS, LTD.** (from February 2)

Orapenil brand tablets	
20,000 units	25 40 0 5 0 R
50,000 units	10 38 0 4 9 R
100,000 units	10 42 0 5 3 R
200,000 units	10 54 0 6 9 R

**WRIGHT, LAYMAN & UMNEY, LTD.** (from February 23)

	Each
Wright's Iysol 1-gall.	10 3 14 0 R

**Part 2****CULMAK, LTD.**

Re-introduction:—

	Doz.
Culmak Sovereign shaving brush*	327 6 50 0

**EVAN WILLIAMS CO., LTD.**

Revision of terms from February 1:—  
All orders under £2 at standard wholesale prices.

Parcel terms:—

	£2 gross	Orders £4 gross	£8 gross
Henna and camomile shampoos	37 6 36 6 36 0		
	doz.	doz.	doz.
Tunisian henna shampoo	12 6 12 0 12 0		
Special tunisian henna	34 6 34 0 33 0		
	23 0 22 6 22 0		
Wave set	6 4 6 2 6 1		
Shampoo bleu	40 6 39 6 39 0		
Net cash 30 days. Carriage paid on all orders over £2 value.			

**JAMES WOOLLEY, SONS & CO., LTD.**

	small	20 0 2 6 A
Boval floor gloss	large	32 0 4 0 A

**NEW PRODUCTS AND PACKS****BURROUGHS WELLCOME & CO.**

Agla pocket atomiser 10 6

**THOMAS CHRISTY & CO., LTD.**

Christy's lanoline face pack† 1 3

**COTY (ENGLAND), LTD.**

Instant beauty† 7 6

**FISH OPTICAL CO., LTD.**

	Each
Roadmaster night-driving glasses	11 8 17 6

**GOODYEAR TYRE & RUBBER CO. (GT. BRITAIN), LTD.**

Pliofilm rolls 1 0

**INNOXA (ENGLAND), LTD.**

Solution 41\* 9 2

**KYLON, LTD. (Distributors, TAMPAX, LTD.)**

Kylon G.F.4 28 4 11 6 7

**DON S. MOMAND, LTD.**

Eugène beauty powder 5

**PAINES & BYRNE, LTD.**

Khellanals suppositories

	8 0
50 mgm. 6	15 0
12	57 0
50	108 0
100	13 0
200 mgm. 6	25 0
12	96 0
50	186 0
100	

# CARNEGIE



## QUININE and SALTS

ALKALOID  
BISULPHATE  
DIHYDROCHLORIDE  
HYDROBROMIDE  
HYDROCHLORIDE  
SALICYLATE  
SULPHATE  
B.P. 1932 & B.P. 1948  
TANNATE

## QUINIDINE and SALTS

ALKALOID  
HYDROBROMIDE  
HYDROCHLORIDE  
SULPHATE

TOTAQUINE

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# CARNEGIE QUININE WORKS LTD

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WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

Telegrams: CARNEQUIN, WELWYN GARDEN CITY

Telephone: WELWYN GARDEN 506 (4 lines)

*A 'Carnegies of Welwyn' Company*

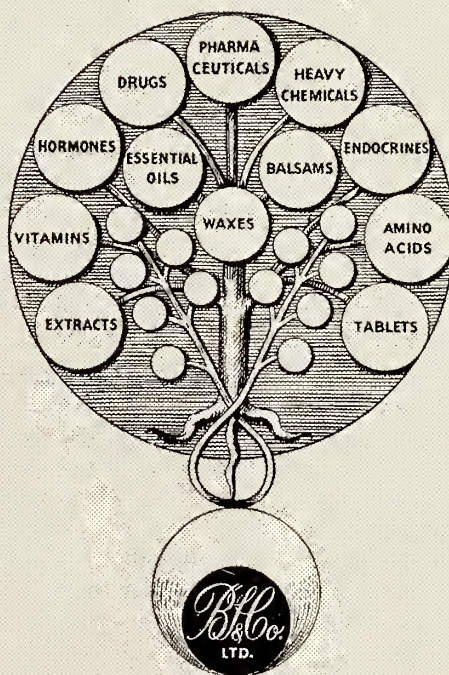


*The*  
**CHEMIST AND DRUGGIST**

FEBRUARY 21 1953



*From where they are  
produced—  
to where they are  
required—*



**BIDDLE, SAWYER & CO. LTD.**  
**4 GRAFTON STREET, LONDON, W.1**

Telephone: REGent 0521

Telegrams: Bidsawya, Piccy, London

Cables: Bidsawya, London

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